



# OUR POLYOLS PORTFOLIO

Monument Chemical produces a full line of POLY-G®, POLY-L®, and POLY-Q® polyether diols, triols and tetrols for use in flexible, rigid and non-foam urethane applications. In addition to the polyether polyols, Monument Chemical also offers POLY-A® polyether amines for use in elastomeric coatings applications. The chart below describes the current list of polyol products available from Monument Chemical. The physical properties given below are typical and should not be taken as specifications\*\*.

| POLY-G Polyols | Molecular Weight Avg. | OH Number Avg. (mg KOH/g) | Acid Number Max. (mg KOH/g) | % Water Max. | pH Avg.* | Color Max. (APHA) | Viscosity @ 25 °C (cp) | Specific Gravity @ 25 °C |
|----------------|-----------------------|---------------------------|-----------------------------|--------------|----------|-------------------|------------------------|--------------------------|
| <b>Diols</b>   |                       |                           |                             |              |          |                   |                        |                          |
| 20-28          | 4000                  | 28                        | 0.05                        | 0.02         | 6.0      | 45                | 800                    | 1.001                    |
| 20-37          | 3000                  | 37                        | 0.05                        | 0.05         | 5.5      | 50                | 575                    | 1.002                    |
| 20-56          | 2000                  | 56                        | 0.05                        | 0.02         | 6.0      | 20                | 315                    | 1.001                    |
| 20-112         | 1000                  | 112                       | 0.05                        | 0.02         | 6.0      | 20                | 145                    | 1.003                    |
| 20-265         | 425                   | 265                       | 0.02                        | 0.02         | 6.5      | 50                | 75                     | 1.006                    |
| 22-37          | 3000                  | 37                        | 0.05                        | 0.05         | 6.5      | 100               | 750                    | 1.080                    |
| 22-56          | 2000                  | 56                        | 0.05                        | 0.05         | 6.0      | 50                | 470                    | 1.099                    |
| 26-150         | 775                   | 146                       | 0.05                        | 0.02         | 6.0      | 25                | 140                    | 1.004                    |
| 55-28          | 4000                  | 28                        | 0.05                        | 0.02         | 6.0      | 50                | 875                    | 1.023                    |
| 55-37          | 3000                  | 37                        | 0.05                        | 0.02         | 6.5      | 50                | 600                    | 1.036                    |
| 55-53          | 2000                  | 56                        | 0.05                        | 0.04         | 6.0      | 50                | 355                    | 1.033                    |
| 55-56          | 2000                  | 56                        | 0.03                        | 0.02         | 6.0      | 50                | 375                    | 1.055                    |
| 55-112         | 1000                  | 112                       | 0.05                        | 0.02         | 6.5      | 50                | 175                    | 1.056                    |
| 55-173         | 650                   | 173                       | 0.05                        | 0.02         | 6.5      | 50                | 110                    | 1.058                    |
| <b>Triols</b>  |                       |                           |                             |              |          |                   |                        |                          |
| 30-28          | 6000                  | 28                        | 0.05                        | 0.02         | 6.5      | 45                | 1130                   | 1.005                    |
| 30-42          | 4000                  | 40                        | 0.03                        | 0.03         | 5.0      | 35                | 700                    | 1.005                    |
| 30-56          | 3000                  | 56                        | 0.05                        | 0.03         | 7.0      | 35                | 500                    | 1.007                    |
| 30-64 T        | 2500                  | 64                        | 0.04                        | 0.05         | 5.0      | 35                | 450                    | 1.010                    |
| 30-113         | 1500                  | 112                       | 0.05                        | 0.03         | 6.0      | 30                | 300                    | 1.015                    |
| 30-169         | 1000                  | 168                       | 0.05                        | 0.05         | 6.0      | 50                | 250                    | 1.022                    |
| 30-240         | 700                   | 235                       | 0.05                        | 0.05         | 5.0      | 35                | 250                    | 1.029                    |
| 30-280         | 600                   | 274                       | 0.05                        | 0.02         | 6.5      | 40                | 260                    | 1.035                    |
| 30-565         | 300                   | 565                       | 0.05                        | 0.08         | 6.3      | 30                | 630                    | 1.076                    |
| 36-232         | 725                   | 232                       | 0.05                        | 0.03         | 6.5      | 40                | 265                    | 1.030                    |
| 37-600         | 280                   | 600                       | --                          | 0.08         | 11       | 5G                | 380                    | 1.050                    |
| 76-120         | 1400                  | 120                       | 0.05                        | 0.08         | 6.0      | 100               | 275                    | 1.050                    |
| 76-160         | 736                   | 160                       | 0.05                        | 0.03         | 6.2      | 50                | 175                    | 1.007                    |
| 76-635         | 265                   | 648                       | 0.05                        | 0.03         | 6.5      | 50                | 930                    | 1.091                    |
| 83-26          | 6500                  | 26                        | 0.04                        | 0.02         | 6.0      | 50                | 1225                   | 1.012                    |
| 83-34          | 4500                  | 34                        | 0.04                        | 0.05         | 6.0      | 50                | 1275                   | 1.085                    |
| 83-49          | 3500                  | 48                        | 0.04                        | 0.03         | 6.0      | 50                | 875                    | 1.105                    |
| 83-170         | 1000                  | 170                       | 0.05                        | 0.05         | 6.0      | 70                | 188                    | 1.101                    |
| 85-24          | 7000                  | 24                        | 0.05                        | 0.03         | 7.5      | 50                | 1420                   | 1.031                    |
| 85-29          | 6500                  | 28                        | 0.05                        | 0.03         | 6.2      | 50                | 1175                   | 1.022                    |
| 85-34          | 4500                  | 35                        | 0.02                        | 0.03         | 7.4      | 50                | 875                    | 1.021                    |
| 85-36          | 4500                  | 37                        | 0.05                        | 0.04         | 5.5      | 50                | 750                    | 1.024                    |
| 85-37          | 4500                  | 37                        | 0.03                        | 0.04         | 6.5      | 40                | 750                    | 1.027                    |

\*pH measured in IPA/Water solution at a 10/6 ratio.

G = Gardner

\*\*Not to be construed as product specification

\* POLY-G®, POLY-Q®, POLY-L® and POLY-A® is a registered trademark of Monument Chemical Kentucky LLC

Effective 11/2018

| POLY-G Polyols                             | Molecular Weight Avg.        | OH Number Avg. (mg KOH/g)  | Acid Number Max. (mg KOH/g) | % Water Max.        | pH Avg. *        | Color Max. (APHA)        | Viscosity @ 25 °C (cp)        | Specific Gravity @ 25 °C        |
|--|------------------------------|----------------------------|-----------------------------|---------------------|------------------|--------------------------|-------------------------------|---------------------------------|
| <b>Chain Extenders &amp; Cross Linkers</b> |                              |                            |                             |                     |                  |                          |                               |                                 |
| 30-400 T                                   | 420                          | 400                        | 0.05                        | 0.05                | 5.5              | 50                       | 613                           | 1.033                           |
| 540-378                                    | 600                          | 378                        | 0.05                        | 0.05                | 5.5              | 30                       | 1062                          | 1.053                           |
| 540-450                                    | 500                          | 450                        | 0.05                        | 0.05                | 5.5              | 50                       | 1750                          | 1.064                           |
| 540-555                                    | 400                          | 555                        | 0.05                        | 0.05                | 5.5              | 50                       | 2715                          | 1.078                           |
| 542-449                                    | 500                          | 449                        | 0.25                        | 0.05                | 7.5              | 200                      | 809                           | 1.110                           |
| HQEE                                       | 198                          | 555                        | --                          | 0.10                | --               | --                       | --                            | 1.151                           |
| <b>Urethane Grade PEGs</b>                 |                              |                            |                             |                     |                  |                          |                               |                                 |
| 21-112                                     | 1000                         | 112                        | 0.05                        | 0.05                | 5.5              | (25% solution)<br>30     | 18 (cst @ 99 °C)              | 1.1278                          |
| <b>POLY-L Polyols</b>                      |                              |                            |                             |                     |                  |                          |                               |                                 |
| 220-56                                     | 2000                         | 56                         | 0.05                        | 0.02                | 6.0              | 50                       | 350                           | 1.003                           |
| 255-28                                     | 4000                         | 28                         | 0.05                        | 0.02                | 6.0              | 70                       | 1600                          | 1.025                           |
| <b>Polymer Polyols</b>                     |                              |                            |                             |                     |                  |                          |                               |                                 |
| 92-27                                      | --                           | 29.5                       | 0.06                        | 0.05                | 7.5              | --                       | 3500                          | --                              |
| <b>POLY-Q Polyols</b>                      |                              |                            |                             |                     |                  |                          |                               |                                 |
| 40-56                                      | 4000                         | 11                         | --                          | 0.05                | 10.0             | 100                      | 650                           | 1.004                           |
| 40-770                                     | 292                          | 745                        | --                          | 0.05                | 11.0             | 70                       | 50,000                        | 1.032                           |
| 40-480                                     | 468                          | 480                        | --                          | 0.10                | 11               | 300                      | 4,000                         | 1.025                           |
| 40-800                                     | 278                          | 800                        | --                          | 0.05                | 11.0             | 70                       | 17,000                        | 1.055                           |
| 43-455                                     | 493                          | 455                        | --                          | 0.05                | 11               | 80                       | 2,100                         | 1.036                           |
| <b>Rigids</b>                              |                              |                            |                             |                     |                  |                          |                               |                                 |
| 70-600                                     | --                           | 600                        | --                          | 0.1                 | 11.0             | 18G                      | 265                           | 1.129                           |
| 71-357                                     | --                           | 355                        | --                          | 0.08                | 10.5             | 12G                      | 2400                          | 1.075                           |
| 71-360                                     | --                           | 360                        | --                          | 0.1                 | 9.0              | 12G                      | 2750                          | 1.084                           |
| 71-530                                     | --                           | 530                        | --                          | 0.08                | 11.0             | 12G                      | 13500                         | 1.110                           |
| 73-490                                     | --                           | 490                        | --                          | 0.1                 | 8.3              | 6G                       | 9500                          | 1.092                           |
| 74-376                                     | --                           | 365                        | --                          | 0.1                 | 6.3              | 7G                       | 2750                          | 1.087                           |
| 74-292                                     | --                           | 292                        | --                          | 0.1                 | 11.5             | 16G                      | 700                           | 1.115                           |
| 74-444                                     | --                           | 440                        | --                          | 0.03                | 7.0              | 12G                      | 5000                          | 1.106                           |
| <b>POLY-A Polyols Amine Terminated</b>     | <b>Molecular Weight Avg.</b> | <b>Total Amine (meq/g)</b> | --                          | <b>% Water Max.</b> | <b>pH Avg. *</b> | <b>Color Max. (APHA)</b> | <b>Viscosity @ 25 °C (cp)</b> | <b>Specific Gravity @ 25 °C</b> |
| 27-2000                                    | 2000                         | 1.00                       | --                          | 0.1                 | 10.8             | 100                      | 250                           | 0.995                           |
| 37-5000                                    | 5000                         | 0.55                       | --                          | 0.1                 | --               | 50                       | 785                           | 1.002                           |

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#### For More Information: Technical Service

Technical service is available to facilitate further use of Monument Chemical products. If you have a specific question or need further information, please write or call Monument Chemical, Customer Service, 2450 Olin Road, Brandenburg, KY 40108; (800) 636-3786, or fax: (270) 422-6456.

Or visit our web site at:

[www.monumentchemical.com](http://www.monumentchemical.com)

#### How to Order

To place orders for delivery in the U.S. or Canada and to get fast answers on order status or product availabilities, call our toll-free number:

**(800) 636-3786.**

For written inquiries about orders, and to place confirmations, send to:

**Monument Chemical, Customer Service  
2450 Olin Road, Brandenburg, KY 40108**

*Please refer to the Safety Data Sheet (SDS) for complete information on Storage and Handling, Toxicological Properties, Personal Protection, First Aid, Spill and Leak Procedures, and Waste Disposal. To order an SDS, call Monument Chemical at (800) 636-3786. Before using or handling this product, the SDS should be thoroughly reviewed.*

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