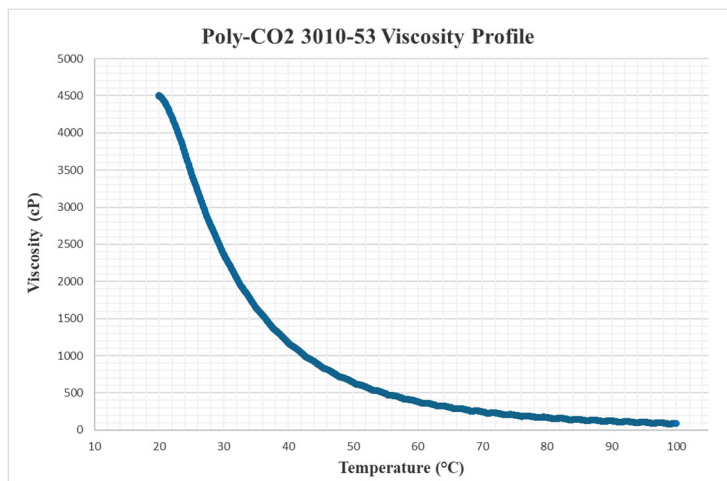


## Poly-CO<sub>2</sub> 3010-53

**Poly CO<sub>2</sub> 3010-53** is a tri-functional polycarbonate-ether (PCE) polyol made by incorporation of carbon dioxide into a standard PO-based polyether polyol backbone. It has nominal Molecular weight of ~3000.

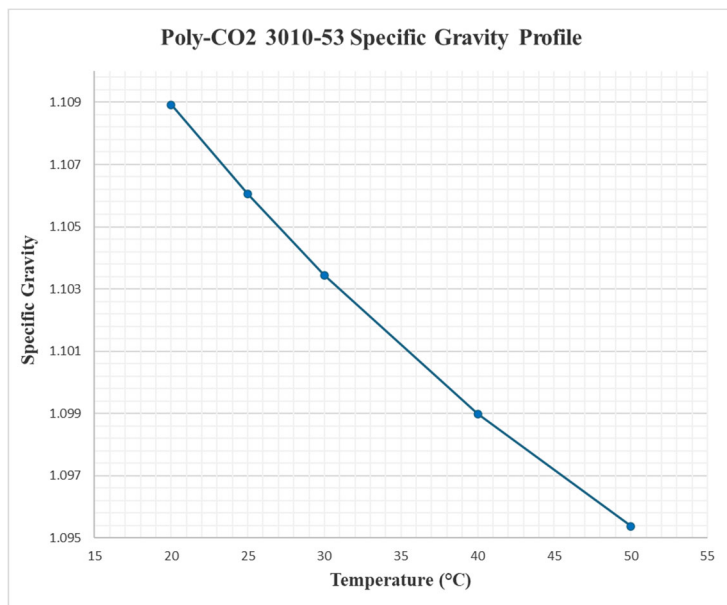
This polyol can be used in a variety of polyurethane applications, including slab-stock and conventional foams, spray foams, coatings, elastomers, and adhesives.

Poly-CO<sub>2</sub> 3010-53 is a stable, practically colorless liquid that is neither volatile nor corrosive and high flash point.



### Typical Poly-CO<sub>2</sub> 3010-53 properties

Appearance	Clear, colorless to pale yellow
Hydroxyl No., mg KOH/g	53
CO <sub>2</sub> incorporation, nominal wt.%	10
Viscosity at 25°C, cps	3550
Specific Gravity, 25/25°C	1.106
Density: lbs./gal.	9.23
Water %; wt. max.	0.05
Acid No. mg KOH/g, max	0.15
pH: Isopropanol/water	6.0
Color, APHA, max.	50
Flash Point, Open Cup, °C/°F	259/498



Note: The properties reported are typical physical properties. Monument Chemical in no way guarantees that the product from any particular lot will conform exactly to the given values.

## Health and safety information

Under current U.S. OSHA's Hazardous Communication program Poly-CO<sub>2</sub> 3010-53 is not considered hazardous.

Observe good industrial hygiene practices and use appropriate Personal Protective Equipment.

For full safety information please refer to the Safety Data Sheet.

## Storage and Handling

Poly CO<sub>2</sub> 3010-53 presents no unusual problems for ordinary handling and under storage temperature of 15-35 °C (60-95 °F).

Poly-CO<sub>2</sub> 3010-53 is hygroscopic, the product can absorb atmospheric moisture up to several percent. It should be stored in original drums or bulk tanks if possible. Product needs to be blanketed with dry nitrogen gas after each usage.

Provided proper storage and handling precautions are taken, Poly-CO<sub>2</sub> 3010-53 is stable for at least 24 months from the date of manufacture. Poly-CO<sub>2</sub> 3010-53 that is subsequently repackaged, handled and/or delivered by third parties may have a different shelf life and may require third party shelf-life studies. Product past the expiration date should be evaluated to confirm that all specifications are within their limits before use.

## Additional Information

To learn more about Monument Chemical and the products and services we offer please visit our website at [www.monumentchemical.com](http://www.monumentchemical.com).

Effective Date: 12/13/2025      Revision: 1

## Disclaimers

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, email [SDS@monumentchemical.com](mailto:SDS@monumentchemical.com). Before using or handling this product, the SDS should be thoroughly reviewed.

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