

Technical Data Sheet

CAS No. 9049-71-2
35176-06-8



CARPOL[®] SPA-357

Polyether Polyol

CARPOL[®] SPA-357 is a sucrose / amine-initiated polyether polyol. The high functionality of the initiators yields a resultant polyol with a nominal functionality of 5.5 and a typical hydroxyl number of 350. This polyol's functionality and short-chained nature make it optimal for use in rigid foam. In addition, CARPOL[®] SPA-357 contains amine and therefore is autocatalytic. This allows the formulator to use less catalyst while achieving the same reactivity seen in other neutral rigid polyols.

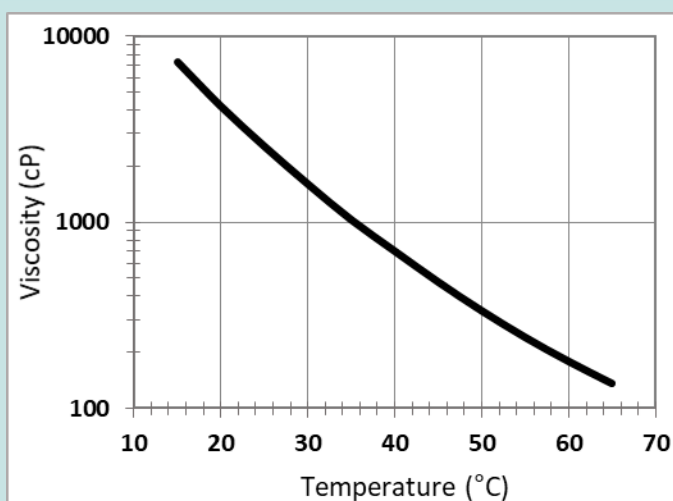
Typical End Use Applications

- Insulation
- Rigid Boardstock Foam
- Molded Rigid Foam

Typical Analytical Properties*

Hydroxyl Number (mg KOH / g)	350
pH (10 parts of IPA: 6 parts of H ₂ O)	10.3
Moisture (%) [maximum]	0.08
Color (Gardner) [maximum]	12
Appearance	Free & Clear
Viscosity @ 25 °C (cP)	2,500
Density @ 25 °C (lb / gal)	8.99
Total Amine Value (mg KOH / g)	49.0

Viscosity Profile



Viscosity Information

77 °F	120 °F	140 °F
2,500 cP	340 cP	180 cP

*Please note that these values are not specifications

Updated February 2019

Storage Information

CARPOL[®] SPA-357 will absorb water if the product container is not secured properly. This may affect reactivity, appearance, and performance. Therefore, it is advised that all receptacles containing this material be tightly fastened and stored in a dry place.

Consult the Safety Data Sheet for additional information.

Health and Safety Information

Health and safety information is available in the form of a Safety Data Sheet. This literature, describing proper precautions and personal protective gear, is available for review. To receive this information please contact a Carpenter Co. representative.

Ordering and Shipping Options

Sample Sizes

1 quart

1 gallon

5 gallon

Products Packaged/Shipped

Drum 460 lb net wt.

Totebin 2,300 lb net wt.

Tankwagon 40,000-45,000 lb net wt.

Railcar 185,000-189,000 lb net wt.

For additional information please contact:

Carpenter Co.

Chemicals Division

Customer Service 800-260-5373

5016 Monument Avenue

Richmond VA 23230

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Important: The information contained in this product data sheet is offered for your consideration, investigation, and verification. The data is presented in good faith and is believed to be reliable. Carpenter, however, makes no representation as to the completeness or accuracy. Carpenter makes no warranty, express or implied, with respect to the data contained herein. Carpenter cannot anticipate all conditions under which this data and the product may be used. The conditions of handling, storage, use, and disposal of the product are beyond Carpenter's control. Thus we expressly disclaim responsibility or liability for any loss, damage, or expense arising out of reliance on the information contained herein. You are advised to make your own determination as to safety, suitability, and appropriate manner of handling, storage, use, and disposal. For further information please consult the appropriate Carpenter Safety Data Sheet. **Warning:** These products can be used to prepare a variety of polyurethane products. Polyurethanes are organic materials and must be considered combustible.