



Technical Data Sheet

VORANOL™ 370 Polyether Polyol

Description

VORANOL™ 370 Polyether Polyol is a 7.0 functional, sucrose/glycerine-initiated polyether polyol designed to produce rigid polyurethane foam. It is suitable for production of both high- and low-density foams. It can be used alone, or in combination with other polyols or fire-retardant agents, to achieve various degrees of crosslinking. It is especially suitable for foam applications that require a high strength-to-density ratio. The high degree of crosslinking afforded by VORANOL™ 370 Polyether Polyol provides excellent dimensional stability under both humid aging and dry heat aging conditions. Typical applications include spray Polyurethane foams, insulated panels, rail boxcars, portable coolers, and pour-in-place insulation. It is also well suited in polyol blends.

Typical Component Properties

Properties	Units	Values	Test Method ¹
Hydroxyl Number	mg/g	370	ASTM D4274
Functionality		7	
Initiator		Sucrose/glycerine	
Viscosity, 77°F (25°C)	cSt	30,580	ASTM D445
210°F (99°C)		105	
Water, max.	wt%	0.1	ASTM D4672
Density 77°F 25°C	lbs/gal gm/cc	9.27 1.110	ASTM D1475
Flash Point (PMCC)	°F °C	335 168	
Specific Gravity		1.11	

1. ASTM: American Society for Testing and Materials

These are typical values and should not be construed as specifications.

Handling and Storage

Properties	Units	Limits
Storage temperature	°C °F	15–35 59–95
Storage stability / shelf life	months	24

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Safety Considerations

Material Safety Data (MSD) sheets are available from The Dow Chemical Company. MSD sheets are provided to help customers satisfy their own handling, safety and disposal needs and those that may be required by locally applicable health and safety regulations. MSD sheets are updated regularly, therefore, please request and review the most current MSD sheet before handling or using any product. These are available from the nearest Dow sales office.

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