

Dow ISONATE™ 240 MDI Prepolymer

Category : Fluid , Polymer

Material Notes:

ISONATE™ 240 MDI prepolymer is a modified MDI compound produced by reacting high-purity diphenylmethane diisocyanate with a high molecular weight polyester polyol, resulting in a material with good storage stability down to 72°F. This medium-viscosity product may be formulated with conventional polyether or polyester polyols and short chain diols or triols to yield high physical property elastomers or microcellular foams via the cast, low pressure or RIM-dispensing processes. Information provided by Dow

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-ISONATE-240-MDI-Prepolymer.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	
Viscosity	1500 cP	1500 cP	
Vapor Pressure	<= 1.33e-8 bar	<= 0.0000100 torr	

Thermal Properties	Metric	English	Comments
Heat of Vaporization	360 J/g	155 BTU/lb	
CTE, linear	737 µm/m-°C @Temperature 20.0 °C	409 µin/in-°F @Temperature 68.0 °F	volumetric
Specific Heat Capacity	1.80 J/g-°C	0.430 BTU/lb-°F	
Thermal Conductivity	0.126 W/m-K	0.870 BTU-in/hr-ft ² -°F	
Boiling Point	314 °C	597 °F	
Decomposition Temperature	230 °C	446 °F	
Flash Point	>= 177 °C	>= 351 °F	Closed Cup; ASTM D93

Chemical Properties	Metric	English	Comments
Acid Value	0.020	0.020	% as HCl

Descriptive Properties	Value	Comments
Hydrolyzable Chloride ppm	50	
Isocyanate Equivalent Weight	225	
NCO Content wt%	18.7	

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