

Dow ISONATE™ 143L Modified MDI

Category : Fluid , Polymer

Material Notes:

ISONATE™ 143 is a polycarbodiimide-modified diphenylmethane diisocyanate. Liquid at room temperature, this product has a low viscosity and good storage stability down to 75°F. The polycarbodiimide adduct offers extra flexibility because adduct formation is reversible (dissociation generates an additional isocyanate function). The carbodiimide linkage aids the stabilization of the polymer against hydrolytic degradation. Information provided by Dow

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-ISONATE-143L-Modified-MDI.php

Physical Properties	Metric	English	Comments
Density	1.214 g/cc	0.04386 lb/in ³	
Viscosity	33 cP	33 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	741 µm/m-°C @Temperature 20.0 °C	412 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	0.0020	0.0020	% as HCl

Descriptive Properties	Value	Comments
Hydrolyzable Chloride ppm	30	
Isocyanate Equivalent Weight	144.5	
NCO Content wt%	29.2	

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