

Dow PAPI™ 20 Polymeric MDI

Category : Fluid , Polymer

Material Notes:

PAPI™ 20 polymeric MDI is a polymethylene polyphenylisocyanate that contains MDI. This product's functionality value of 3.2 and high viscosity result in highly rigid foams. This product is designed for uses where high viscosity is required for processing polyisocyanurate foams. Information provided by Dow

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-PAPI-20-Polymeric-MDI.php

Physical Properties	Metric	English	Comments
Density	1.234 g/cc	0.04458 lb/in ³	
Viscosity	1800 cP	1800 cP	
Molecular Weight	400 g/mol	400 g/mol	
Vapor Pressure	<= 1.33e-8 bar	<= 0.0000100 torr	
Storage Temperature	24.0 - 41.0 °C	75.2 - 106 °F	

Thermal Properties	Metric	English	Comments
CTE, linear	648 µm/m-°C @Temperature 20.0 °C	360 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	330 °C	626 °F	
Decomposition Temperature	230 °C	446 °F	
Flash Point	>= 204 °C	>= 399 °F	Closed Cup; ASTM D93

Chemical Properties	Metric	English	Comments
Acid Value	0.040	0.040	% as HCl

Descriptive Properties	Value	Comments
Isocyanate Equivalent Weight	138	
NCO Content wt%	30.4	

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