

Dow PAPI™ 580 N Polymeric MDI

Category : Fluid , Polymer

Material Notes:

PAPI™ 580 N polymeric MDI is a polymethylene polyphenylisocyanate that contains MDI. This product has high functionality (value of 3.0) and relatively high viscosity. Recommended for use in polyisocyanurate rigid foams, this product imparts good resistance to heat distortion, excellent strength properties at low densities and improved humid age stability. Information provided by Dow

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-PAPI-580-N-Polymeric-MDI.php

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in³	
Viscosity	700 cP	700 cP	
Molecular Weight	375 g/mol	375 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	645 µm/m-°C @Temperature 20.0 °C	358 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-ft²-°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	136.5	
NCO Content wt%	30.8	

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