

Dow PAPI™ 27 Polymeric MDI

Category : Fluid , Polymer

Material Notes:

PAPI™ 27 polymeric MDI is a polymethylene polyphenylisocyanate that contains MDI. This product has a narrow molecular weight distribution and a high reactivity. Applicable to many foam processes, this product is compatible with rigid polyether and polyester polyols, making it suitable for a full range of low- to high-density semi-rigid foams, rigid foams and structural RIM processing. Information provided by Dow

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-PAPI-27-Polymeric-MDI.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in ³	
Viscosity	150 - 220 cP	150 - 220 cP	
Viscosity Measurement	5.0 - 10	5.0 - 10	[cps/mo.] Viscosity growth
Molecular Weight	340 g/mol	340 g/mol	
Vapor Pressure	<= 1.30e-8 bar	<= 0.00000975 torr	

Thermal Properties	Metric	English	Comments
CTE, linear	1170 μm/m-°C	650 μin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
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	>= 400 °F	ASTM D93 Closed Cup

Chemical Properties	Metric	English	Comments
Acid Value	0.017	0.017	HCl content, %

Descriptive Properties	Value	Comments
NCO Content %	31.4	

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