

Dow BETAFOAM™ 87100/87156

Category : Polymer , Thermoset , Polyurethane, TS

Material Notes:

BETAFOAM™ 87100/87156 is a rigid, all-water blown molded foam with excellent thermal stability. Foam is produced by rapidly mixing both components under high shear conditions. These components were formulated to produce large, highly contoured, thin parts. Information provided by Dow

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-BETAFOAM-8710087156.php

Physical Properties	Metric	English	Comments
Density	0.0800 g/cc	0.00289 lb/in ³	Free Rise Density (Cured)
Water Absorption	2.5 %	2.5 %	SAE J315

Mechanical Properties	Metric	English	Comments
Compressive Strength	0.586 MPa	85.0 psi	10% Deflection; ASTM 1621A

Thermal Properties	Metric	English	Comments
Shrinkage	1.00 %	1.00 %	95% RH
	@Temperature 37.8 °C, Time 605000 sec	@Temperature 100 °F, Time 168 hour	
	2.00 %	2.00 %	
	@Temperature 121 °C, Time 173000 sec	@Temperature 250 °F, Time 48.0 hour	
	3.00 %	3.00 %	
	@Temperature 80.6 °C, Time 1800 sec	@Temperature 177 °F, Time 0.500 hour	

Processing Properties	Metric	English	Comments
Gel Time	1.41 - 1.58 min	1.41 - 1.58 min	

Descriptive Properties	Value	Comments
Aged Weight Loss %	3	7days @ 215°F
Volume Expansion %, min	1300	Cured

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