

Dow BETAFOAM™ 87100/87155

Category : Polymer , Thermoset , Polyurethane, TS

Material Notes:

BETAFOAM™ 87100/87155 is a high-density, all-water blown rigid polyurethane foam. These components were engineered to produce a foam for increasing stiffness of body structure cavities. Foam is produced by the rapid mixing of both components under high shear conditions. These components were formulated to provide cavity fill before the mixture gels. The foam has adhesion to primed metal surfaces. Information provided by Dow

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-BETAFOAM-8710087155.php

Physical Properties	Metric	English	Comments
Density	0.0800 g/cc	0.00289 lb/in³	Free Rise Density (Cured)
Water Absorption	2.5 %	2.5 %	

Mechanical Properties	Metric	English	Comments
Compressive Strength	0.500 MPa	72.5 psi	

Thermal Properties	Metric	English	Comments
Shrinkage	2.00 %	2.00 %	
	@Temperature 102 °C, Time 605000 sec	@Temperature 215 °F, Time 168 hour	
	3.00 %	3.00 %	
	@Temperature 121 °C, Time 173000 sec	@Temperature 250 °F, Time 48.0 hour	

Processing Properties	Metric	English	Comments
Gel Time	0.250 - 0.330 min	0.250 - 0.330 min	

Descriptive Properties	Value	Comments
Aged Weight Loss %, max	1	7days @ 215°F
Volume Expansion %, min	1300	Cured

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