

## Dow BETAFOAM™ 87100/87124

Category : Polymer , Thermoset , Polyurethane, TS

### Material Notes:

BETAFOAM™ 87100/87124 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-8710087124.php](http://www.lookpolymers.com/polymer_Dow-BETAFOAM-8710087124.php)

Physical Properties	Metric	English	Comments
Density	0.384 g/cc	0.0139 lb/in <sup>3</sup>	Free Rise Density (Cured)
Water Absorption	0.29 %	0.29 %	GM9982145:B1

Mechanical Properties	Metric	English	Comments
Compressive Strength	9.10 MPa	1320 psi	ASTM D1621
Compressive Modulus	0.179 GPa	26.0 ksi	ASTM D1621

Thermal Properties	Metric	English	Comments
Shrinkage	0.400 %	0.400 %	28 days; ASTM D2126
	@Temperature 70.0 °C	@Temperature 158 °F	
	0.800 %	0.800 %	28 days @ 100% RH; ASTM D2126
	@Temperature 70.0 °C	@Temperature 158 °F	
1.00 %	1.00 %	28 days; ASTM D2126	
@Temperature -26.1 °C	@Temperature -15.0 °F		
4.00 %	@Temperature 121 °C, Time 173000 sec	@Temperature 250 °F, Time 48.0 hour	ASTM D2126

Processing Properties	Metric	English	Comments
Gel Time	0.500 - 0.670 min	0.500 - 0.670 min	

Descriptive Properties	Value	Comments
Aged Weight Loss %	1	28 days @ 158°F

28 days @ -15°F

Descriptive Properties	Value	Comments
	2	28 days @ 158°F & 100% RH
Volume Expansion %, min	294	Cured

## Contact Songhan Plastic Technology Co.,Ltd.

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