

Dow BETAMATE™ 73345G Epoxy

Category : Polymer , Thermoset , Epoxy

Material Notes:

BETAMATE™ 73345G is a one-part, high performance, heat curing, epoxy adhesive. It is capable of bonding oily galvanized and cold rolled steel without a primer and has corrosion resistance. BETAMATE™ 73345G also has sag resistance and peel strength. It accepts E-coat primer which also enhances corrosion resistance and reduces shadowing. It can be gelled to give handling strength by induction or use of hot air. If desired, handling strength can be achieved by controlling hemming pressure as the glass beads in the product will provide a mechanical lock-up of hems. Information provided by Dow

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-BETAMATE-73345G-Epoxy.php

Physical Properties	Metric	English	Comments
Density	1.32 g/cc	0.0477 lb/in ³	
Solids Content	>= 99 %	>= 99 %	
Viscosity Measurement	16 - 26	16 - 26	[sec], Flow Rate (0.104" orifice, 0.7 oz, 65psi)
Collected Volatile Condensable Material	0.00 %	0.00 %	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	70	70	
Adhesive Bond Strength	0.980 MPa	142 psi	"Wet" Lap Shear Strength (29.4 MPa Hemming Press.)
	1.62 MPa	235 psi	"Wet" Lap Shear Strength (39.2 MPa Hemming Press.)
	2.04 MPa	296 psi	"Wet" Lap Shear Strength (49.0 MPa Hemming Press.)
	32.3 MPa	4690 psi	CRS plate
	@Thickness 1.60 mm	@Thickness 0.0630 in	
Peel Strength	4.24 kN/m	24.2 pli	

Thermal Properties	Metric	English	Comments
Flash Point	>= 110 °C	>= 230 °F	

Processing Properties	Metric	English	Comments
Cure Time	20.0 min	0.333 hour	
	@Temperature 170 °C	@Temperature 338 °F	

Processing Properties	Metric	English	Comments
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Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China