

Epocast 1628 A/B

Epoxy; Epoxide

Huntsman Advanced Materials

Message:

DESCRIPTION: Epocast® 1628-A epoxy resin is a soft white paste that, after blending with yellow-colored Epocast® 1628-B hardener, becomes a pale yellow, ultra low density epoxy syntactic for edge reinforcing of honeycomb structures. The lightweight epoxy paste can be spread with a putty knife or trowel to fill honeycomb core sections or edges of composite sandwich constructions. Epocast® 1628-A/B epoxy syntactic can be easily sanded or machined after cure. Epocast® 1628-A/B epoxy syntactic is qualified to BMS 5-28, Type 28.

General Information			
Features	Low density		
	Self-extinguishing		
Uses	Components		
	Aerospace applications		
Appearance	White		
	Yellow		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			ASTM D1622
-- ¹	0.450	g/cm ³	ASTM D1622
-- ²	0.500	g/cm ³	ASTM D1622
-- ³	0.520	g/cm ³	ASTM D1622
Viscosity			ASTM D2196
-- ⁴	Paste		ASTM D2196
-- ⁵	Paste		ASTM D2196
-- ⁶	Paste		ASTM D2196
Flammability ⁷			FAR 25.853
Burn Length	7.62	cm	FAR 25.853
Extinguish Time	0.0	hr	FAR 25.853
Gel Time - 60 gms (25°C)	1.1	hr	ASTM D2471
Cure Time (25°C)	2.0	day	
Tensile Lap Shear - etched al/al (25°C)	5.52	MPa	ASTM D1002
Weight Gain ⁸			ASTM D543
Distilled water : 25°C	3.4	%	ASTM D543
Mil-M-5606, hydraulic fluid : 25°C	2.5	%	ASTM D543
Mil-S-3136, Type III test fluid : 25°C	1.5	%	ASTM D543
Skydrol 500-A : 25°C	3.5	%	ASTM D543
Mechanical	Nominal Value	Unit	Test Method

Compressive Modulus	1590	MPa	ASTM D695
Compressive Strength (25°C)	19.3	MPa	ASTM D695
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Resin	Mixing ratio by weight: 100		
Hardening method	Mixing ratio by weight: 25		
Additional Information	Nominal Value	Unit	Test Method
CURE SCHEDULE: 48 hours at 77°F (25°C), or gel at room temperature plus 5 hours at 125°F (52°C).			
NOTE			
1.	Resin		
2.	System		
3.	Hardener		
4.	Resin		
5.	Hardener		
6.	System		
7.	60-second vertical		
8.	on immersion - 24 hrs		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

