

Technical Data Sheet

SUPER SAP® BRT System

Optically brightened with enhanced UV resistance package for white surfboard and marine epoxy applications.

Product Overview

SUPER SAP® BRT SYSTEM is an optically brightened, clear laminating system, designed specifically for ultra white cosmetic applications such as surfboard laminations over EPS (polystyrene) or PU (polyurethane) foam. Based on Entropy Resins' classic CLR - CLEAR Epoxy Resin, Super Sap® BRT - BRIGHT Epoxy Resin can be paired with all of CLR Clear Hardeners. Super Sap - Make Things Better.

CLX
EXTRA FAST

CLF
FAST

CLS
SLOW

MECHANICAL DATA			
Tensile Modulus (ASTM D638)	450,000 psi (3.1 GPa)	440,000 psi (3. GPa)	468,000 psi (3.2 GPa)
Tensile Strength (ASTM D638)	9,500 psi (65.5 MPa)	9,500 psi (65.5 MPa)	9,800 psi (67.6 MPa)
Elongation (ASTM D638)	6%	5%	6%
Flexural Modulus (ASTM D790)	440,000 psi (3. GPa)	440,000 psi (3. GPa)	430,000 psi (3. GPa)
Flexural Strength (ASTM D790)	14,000 psi (96.5 MPa)	13,500 psi (93.1 MPa)	14,580 psi (100.5 MPa)
Compression Strength (ASTM D695)	11,330 psi (78.1 MPa)	11,330 psi (78.1 MPa)	12,520 psi (86.3 MPa)
Tg Ultimate (DSC, midpoint)	170°F/62°C	149°F/51°C	171°F/63°C
Hardness (Shore D)	70-80	70-80	70-80
PROCESSING DATA			
Mix Ratio (by volume)	2:1	2:1	2:1
Mix Ratio (by weight)	100:47	100:47	100:47
Viscosity (A/B/Mixed @ 77 °F/25 °C)	1850/100/580	1850/265/725	1850/500/800
Component Density (specific density @ 77°F/25°C)	1.12 (epoxy), 1.02 (hardener)	1.12 (epoxy), 1.01 (hardener)	1.12 (epoxy), 0.98 (hardener)
Mixed Density (specific density @ 77°F/25°C)	1.09	1.08	1.08
Pot Life (@ 77°F/25°C)	18 min	21 min	43 min
Tack Free Time (@ 95°F/35°C)	2 hrs	4 hrs	8 hrs
Recommended Full Cure	7 days @ 77°F/25°C	7 days @ 77°F/25°C	7 days @ 77°F/25°C, Post cure recommended
ENVIRONMENT DATA			
VOC Content (ASTM D2369)	0.16 lbs/gal (19.5 g/L)	0.26 lbs/gal (31.5 g/L)	0.13 lbs/gal (16.1 g/L)
Biobased Carbon Content (ASTM D6866)	21%	21%	29%

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