

BRT

OPTICALLY
BRIGHTENED RESIN

Technical Data Sheet

SUPER SAP® BRT System

Optically brightened with enhanced UV resistance package for ultra-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 Laminating Epoxy Resin, Super Sap® BRT – OPTICALLY BRIGHTENED 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)	3.1 GPa	3.0 GPa	3.2 GPa
Tensile Strength (ASTM D638)	65.5 MPa	65.5 MPa	67.6 MPa
Elongation (ASTM D638)	6%	5%	6%
Flexural Modulus (ASTM D790)	3.0 GPa	3.0 GPa	3.0 GPa
Flexural Strength (ASTM D790)	96.5 MPa	93.1 MPa	100.5 MPa
Compression Strength (ASTM D695)	78.1 MPa	78.1 MPa	86.3 MPa
Tg Ultimate (DSC, midpoint)	77°C	65°C	77°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 @ 25 °C)	1850/100/580	1850/265/725	1850/500/800
Component Density (specific density @ 25°C)	1.12 (resin), 1.02 (hardener)	1.12 (resin), 1.01 (hardener)	1.12 (resin), 0.98 (hardener)
Mixed Density (specific density @ 25°C)	1.09	1.08	1.08
Pot Life (@ 25°C)	18 min	21 min	43 min
Tack Free Time (@ 35°C)	2 hrs	4 hrs	8 hrs
Recommended Full Cure	7 days @ 25°C	7 days @ 25°C	7 days @ 25°C, Post cure recommended

ENVIRONMENT DATA

VOC Content (ASTM D2369)	19.5 g/l	31.5 g/l	16.1 g/l
Biobased Carbon Content (ASTM D6866)	21%	21%	29%

These are typical properties and cannot be construed as a specification. The end users should test the products to ensure the products are suitable for the intended application. Any information, data, advice or recommendation published by Wessex Resins or obtained from Wessex Resins by other means and whether relating to Wessex Resins' materials or other materials, is given in good faith and believed to be reliable.

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