

"Lift-Off" Custom Epoxy Vinyl Ester vs. Generic common half-round strips

Property Value	Method	Lift-Off Material (EVE)	
	ASTM Test	Metric	Imperial
Density	n/a	1.41 g/cm ³	.0509 lb/in ³
Tensile Strength	D638	86 MPa	12,000 psi
Tensile Modulus	D638	3.2 GPa	460 ksi
Elongation	D638	5-6%***	5-6%
Flexural Modulus	D790	3.4 GPa	490 ksi
Flexural Strength	D790	150 MPa	22 ksi
Barcol Hardness	D2583	35-40	35
Rockwell Hardness	D785	n/a	n/a
Compressive Strength	D695	115MPa	16.7 ksi
Coefficient of Friction (pipe and Lift-Off)		0.2****	0.2****
Coefficient of Friction (Lift-Off and Support Beam)*****		0.75 (patented non-slip coating)	0.75 (patented non-slip coating)
Coefficient of Linear Expansion			33in/in/°F x 10 E-6
Melting Point	D3418	n/a	n/a
Heat Deflection Temperature	D648	105° C	220° F

Notes: All comparisons are based on the manufacturer's information.

*Tested @ 73° F (23° C) ***At Yield

Tested @ 77° F (25° C) **At Break

**** Coefficient of Friction can be reduced significantly to 0.05 by applying a heat resistant coating.

***** Coefficient of Friction between the support and the support element must be higher to eliminate the support isolate

Generic common white	
Metric	Imperial
1.41 g/cm ³	.0509 lb/in ³
64.8 MPa	9,400 psi
2.62 GPa	380 ksi
30-60%****	30-60%
2.76 GPa	400 ksi
82.7 MPa	13 ksi
n/a	n/a
88/120	88/120
103 MPa	15 ksi
0.25	0.25
0.25	0.25
168° C	329° F
104° C	220° F

er from sliding off the beam.