

Epo Resin Wrap

Wet Lay-up Epoxy Resin for Fiber Data Sheet

Application System: Wet Lay-up, Epoxy Resin for All Ranges of Carbon Fiber/Aramid Fiber/Basalt Fiber/Glass Fiber

Grade of Epoxy Resin: Ultra-high-performance resin.

Epoxy Resin Properties of Specification (Liquid Based: Solvent Free)

Compressive Strength	DIN 53454	62 N/mm ²
Flexural Strength	DIN 53452	37 N/mm ²
Tensile Strength	DIN 53455	45 N/mm ²
Modulus Elasticity	DIN 53455	2500 N/mm ²
Bonding Strength		Excellent bond to structural
Tension Elongation at Break		2-6%
Solid Volume		100% High Solid Resin
Viscosity	at 25 °C	4000 (±550) mPa.s
Density	at 25 °C	1.15-1.22 g/cm ³
Pot Life	at 25 °C	> 45 minutes until 60 minutes
Cure Time	at 25 °C	As pot life test method
Specific Gravity		1020 g/liter
Flash Point		> 200 °C
Tear Resistance		Excellent on External & Internal Layer
Abrasion Resistance		10 sec/1000 cycle, 0.01% Peeling of on Top Surfaces
Fire Resistance		Burning Test, Good Conditions of Class 0
Coverage Thickness		0.50 kg to 1.20 kg/m ²
Stability Under Heat	DIN 53458	70 °C
Glass Transition Temp	DIN 53445	90 °C
Shore D Hardness	DIN 53505	82-86%
Packing		5 kg/pail or 10 kg/pail or 20 kg/pail

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