

Technical Data Sheet

Durostone® UPR S19

Typical characteristics

- High mechanical strength
- High dielectric strength
- Vinyl ester (VE) thermoset reinfored with e-glass fabric

Typical industries

- Transformátory
- Olejové transformátory
- Suché transformátory
- Elektrotechnický pr\[] mysl
- Elektrické izolal ní konstrukl ní

	Test method	Unit	Guideline value
Mechanical properties			
Density	ISO 1183	g/cm ³	1,95
Flexural strength ¹	ISO 178	MPa	470
Modulus of elasticity in flexion ¹	ISO 178	MPa	25000
Compressive strength [⊥]	ISO 604	MPa	450
Compressive strength II	ISO 604	MPa	250
Tensile strength II	ISO 527	MPa	400
Impact strength II (Charpy)	ISO 179	kJ / m ²	200
Thermal properties			
Temperature index	IEC 60216	T.I.	155
Insulation class	IEC 60085	/	F
Physical properties			
Water absorption (4mm thickness)	ISO 62	%	0,1
Dielectrical properties			
Electric strength 90°C under oil ¹	IEC 60243	kV / mm	15
Electric strength 90°C under oil II	IEC 60243	kV/25mm	75
Relative permittivity (50 Hz)	IEC 60250	ε _r	≈ 5
Specific surface resistance	IEC 60093	Ω	10 ¹⁰
Comparative tracking index	IEC 60112	CTI	600

⁼ perpendicular to the lamination II = parallel to the lamination

Röchling Industrial SE & Co. KG

Röchlingstr. 1 • 49733 Haren (Ems)/Germany (DE) • Tel. +49 5934 701-0 info@roechling-plastics.com • www.roechling.com/industrial/haren

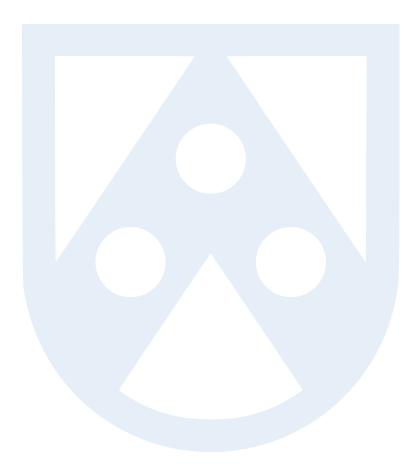
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