

EUROPROFIL AD, s. Aldanci, MK-7520 Krushevo, R. Macedonia

TECHNICAL CHARACTERISTICS OF FIBERGLASS REINFORCED POLTRUDED ROD WITH EPOXY RESIN

Product type	Fiberglass reinforced poltruded rod with epoxy resin:		
Material	Glass roving ECR Epoxy ressin EP828LVEL Epoxy curing agent: EK866		
	Standard	Unit	Result
Physical Properties			
Specific gravity	ISO 1183	g/cm ³	2,05
Glass Content (weight)		%	80
Dye penetration test	IEC 61109		No dye penetration for 15 minutes (minimum)
Electrical properties			
Surface Resistivity	IEC 60243-1	Ω	10 ¹²
Volume Resistivity	IEC 60243-1	Ω	10 ¹⁰
Dielectric strength	IEC 60243-1	MV/m	3
Dielectric Constant	IEC 60243-1		<5
Loss Factor			0,01
Mechanical properties			
Flexural strength	EN ISO 14125	MPa	1000
Tensile Strength	EN ISO 527-4	MPa	1050
Compressive strength	ISO 604	MPa	550
Thermal Properties			
Coefficient of Thermal Expansion	ISO 11359	K ⁻¹	5,4x10 ⁻⁶
Thermal Conductivity	ISO 22007	W/mK ⁻¹	0,3