

KEPITAL® F10-01

A high-viscosity grade for extrusion of round bars, sheets and tubes

- A high-viscosity grade for extrusion of round bars, sheets and tubes
- Suitable for extrusion molding of thick-walled, void-free, and sink mark-reduced parts

Rheological properties

Moulding shrinkage, parallel	2.0	%	ISO 294-4, 2577
Typical mechanical properties			
Tensile Modulus	2500	MPa	ISO 527-1/-2
Yield stress, 50mm/min	63	MPa	ISO 527-1/-2
Yield strain, 50mm/min	10	%	ISO 527-1/-2
Nominal strain at break	32	%	ISO 527-1/-2
Flexural Modulus	2350	MPa	ISO 178
Flexural Strength		MPa	ISO 178
Charpy notched impact strength, 23°C		kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	6.5	kJ/m²	ISO 179/1eA
Thermal properties			
Melting temperature, 10 °C/min	165	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	96	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	120	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	120	E-6/K	ISO 11359-1/-2
Electrical properties			
Volume resistivity	>1E14	Ohm.m	IEC 62631-3-1
Surface resistivity	>1E16	Ohm	IEC 62631-3-2
Electric strength	19	kV/mm	IEC 60243-1
Other properties			
Humidity absorption, 2mm	0.2	%	Sim. to ISO 62
Water absorption, 2mm	0.2		Sim. to ISO 62
Density		kg/m³	ISO 1183
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