

KEPITAL® F10-52D

A UV-stabilized high-viscosity grade for general injection molding - A UV-stabilized high-viscosity grade for general injection molding.

Rheological properties

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Moulding shrinkage, parallel	2.2	%	ISO 294-4, 2577
Typical mechanical properties			
Yield strain, 50mm/min	9	%	ISO 527-1/-2
Stress at break, 5mm/min	55	MPa	ISO 527-1/-2
Nominal strain at break	42	%	ISO 527-1/-2
Flexural Modulus		MPa	ISO 178
Flexural Strength		MPa	ISO 178
Charpy notched impact strength, 23°C		kJ/m²	ISO 179/1eA
Poisson's ratio	0.391		
Thermal properties			
Melting temperature, 10°C/min	165	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	90	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	130	E-6/K	ISO 11359-1/-2
Electrical properties			
Volume resistivity	>1E16	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
Density		kg/m ³	ISO 1183
Donoity	1070	1.9/111	100 1100

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