

KEPITAL® FU2020W

toughened, medium-high viscosity grade

KEPITAL® FU2020W is a toughened, medium-high viscosity grade for general injection molding. Suitable for applications requiring much higher impact resistance and toughness than KEPITAL® TE-24.

Rheological properties

Moulding shrinkage, parallel	1.6	%	ISO 294-4, 2577
Typical mechanical properties			
Yield stress, 50mm/min	39	MPa	ISO 527-1/-2
Yield strain, 50mm/min	14	%	ISO 527-1/-2
Nominal strain at break	>50	%	ISO 527-1/-2
Flexural Modulus	1250	MPa	ISO 178
Flexural Strength		MPa	ISO 178
Charpy notched impact strength, 23°C	21	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	65	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	130	E-6/K	ISO 11359-1/-2
Electrical properties			
Electric strength	21	kV/mm	IEC 60243-1
Other properties			
	1240	ka/m³	ISO 1183
Density	1340	kg/m³	150 1163

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