Celanese
The chemistry inside innovation™

KEPITAL® F15-33

toughness-improved(medium-high viscosity)grade
KEPITAL® F15-33 is a toughness-improved(medium-high viscosity)grade for general injection molding. Features improved molding cycle time.

Rheological properties

Moulding shrinkage range, parallel	2.0	%	ISO 294-4, 2577

Typical mechanical properties

Tensile Modulus	2600	MPa	ISO 527-1/-2
Yield stress, 50mm/min	64	MPa	ISO 527-1/-2
Yield strain, 50mm/min	10	%	ISO 527-1/-2
Nominal strain at break	34	%	ISO 527-1/-2
Flexural Modulus	2450	MPa	ISO 178
Flexural Strength	85	MPa	ISO 178
Charpy notched impact strength, 23°C	7	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	6	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

Electrical properties

Electric strength	19	kV/mm	IEC 60243-1

Other properties

Humidity absorption, 2mm	0.2	%	Sim. to ISO 62
Density	1410	kg/m³	ISO 1183