

POM

Ter Plastics

Standard Type with medium viscosity with enhanced impact resistance  
For all kind of injection moulding parts with raised impact stress

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	10	g/10min	ISO 1133
MFI temperature	190	°C	ISO 1133
MFI load	2.16	kg	ISO 1133

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2300	MPa	ISO 527-1/-2
Tensile Strength	45	MPa	ISO 527-1/-2
Yield stress	60	MPa	ISO 527-1/-2
Yield strain	10	%	ISO 527-1/-2
Strain at break	60	%	ISO 527-1/-2
Charpy impact strength (+23°C)	200	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	10	kJ/m²	ISO 179/1eA
Flexural modulus (23°C)	2100	MPa	ISO 178

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (1.80 MPa)	105	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	135	°C	ISO 306

Other properties	Value	Unit	Test Standard
ISO Data			
Density	1400	kg/m³	ISO 1183