



TEREZ POM 8001

POM

Ter Plastics

Product Texts

High viscosity standard grade for injection moulding and extrusion, parts of thick walls.
Gear wheels, clips, fasteners, rollers applications, transporting chains, skibinding parts.

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	2.5	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	2400	MPa	ISO 527-1/-2
Tensile Strength	60	MPa	ISO 527-1/-2
Yield strain	14	%	ISO 527-1/-2
Strain at break	40	%	ISO 527-1/-2
Charpy impact strength (+23°C)	260	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	6	kJ/m ²	ISO 179/1eA

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	150	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	IEC 60695-11-10

Other properties	Value	Unit	Test Standard
ISO Data			
Humidity absorption	0.2	%	Sim. to ISO 62
Density	1410	kg/m ³	ISO 1183