

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	2.0 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	2.0 / *	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	2100 / 900	MPa	ISO 527
Yield stress	55 / 40	MPa	ISO 527
Yield strain	20 / -	%	ISO 527
Strain at break	>50 / 100	%	ISO 527
Charpy impact strength, +23°C	N / N	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	N / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	30 / -	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	20 / -	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	260 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	64 / *	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	-

Other properties	dry / cond	Unit	Test Standard
Water absorption	6.5 / *	%	Sim. to ISO 62
Humidity absorption	2 / *	%	Sim. to ISO 62
Density	1080 / -	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.1	%	-
Melt temperature	290 - 300	°C	-
Mold temperature	80	°C	-

Characteristics

Processing

Injection Molding

Delivery form

Black

Special Characteristics

High impact or impact modified, Heat stabilized or stable to heat

Applications

Automotive, Sports Equipment

Regional Availability

Europe