

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	11800 / 8500	MPa	ISO 527
Stress at break	207 / 143	MPa	ISO 527
Strain at break	3 / 5	%	ISO 527
Flexural modulus, 23°C	10800 / 8000	MPa	ISO 178
Flexural strength	319 / 228	MPa	ISO 178
Charpy notched impact strength, +23°C	13 / 16	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	248 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	260 / *	°C	ISO 75-1/-2
ASTM Data			
Coefficient of Thermal Expansion, MD	20	E-6/K	ASTM D 696

Other properties	dry / cond	Unit	Test Standard
Humidity absorption	1.6 / *	%	Sim. to ISO 62
Density	1410 / -	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 90	°C	-
Pre-drying - Time	2 - 3	h	-
Melt temperature	275 - 295	°C	-
Mold temperature	75 - 85	°C	-

Characteristics

Processing

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

Delivery form

Black

Regional Availability

North America, Europe, Asia Pacific, Near East/Africa