

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Yield stress	83 / -	MPa	ISO 527
Strain at break	4 / -	%	ISO 527
Flexural modulus, 23°C	3900 / -	MPa	ISO 178
Flexural strength	107 / -	MPa	ISO 178
Charpy impact strength, +23°C	75 / -	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	78 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	3.4 / -	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	3.7 / -	kJ/m ²	ISO 179/1eA
Izod impact strength, +23°C	6 / -	kJ/m ²	ISO 180/1U

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	265 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	75 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	240 / *	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-0 / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	-
Burning behav. at thickness h	V-0 / *	class	IEC 60695-11-10
Thickness tested	0.4 / *	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (1)	0.4	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (2)	0.75	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (3)	1.5	mm	-
Glow Wire Ignition Temperature (GWIT)	960	°C	IEC 60695-2-13
GWIT - thickness tested (1)	0.4	mm	-
Glow Wire Ignition Temperature (GWIT)	960	°C	IEC 60695-2-13
GWIT - thickness tested (2)	0.75	mm	-
Glow Wire Ignition Temperature (GWIT)	800	°C	IEC 60695-2-13
GWIT - thickness tested (3)	1.5	mm	-
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.4	mm	-

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Volume resistivity	1E8 / -	Ohm*m	IEC 62631-3-1
Electric strength	17 / -	kV/mm	IEC 60243-1
Comparative tracking index	600 / -	-	IEC 60112
ASTM Data			
Arc Resistance	150 / -	s	ASTM D 495

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-
Melt temperature	270 - 285	°C	-
Mold temperature	65 - 95	°C	-
Zone 1	260 - 290	°C	-
Zone 2	260 - 290	°C	-
Zone 3	260 - 290	°C	-
Nozzle temperature	260 - 290	°C	-

Characteristics

Processing

Injection Molding

Delivery form

Black

Additives

Lubricants, Release agent

Special Characteristics

Flame retardant, Halogen-free, Heat stabilized or stable to heat

Features

Thermal Stability, Homopolymer

Chemical Resistance

General Chemical Resistance

Applications

Automotive, Electrical and Electronical

Regional Availability

North America, Europe, Asia Pacific