

Product Texts

This material displays high mechanical and electrical properties; resilient to hydrocarbons (kerosene, gasoline, benzene etc.), mineral and synthetic oils, strong and weak alkali, weak acids.

Available in natural, gray and black colors.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	8	g/10min	ISO 1133
Temperature	250	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	0.1	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	135	MPa	ISO 527
Strain at break	6	%	ISO 527
Charpy impact strength, +23°C	65	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	20	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	220	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	200	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	210	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	30	E-6/K	ISO 11359-1/-2

Other properties	Value	Unit	Test Standard
Density	1300	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	260	°C	-
Mold temperature	80	°C	-

Characteristics

Processing

Injection Molding

Chemical Resistance

Acid Resistance, Alkali Resistance, Oil Resistance

Applications

Aircraft and Aerospace, Automotive, Electrical and Electronical

Regional Availability

Europe