

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	16	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	10	kg	-
Mold Shrinkage, MD	0.0045	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength	38	MPa	ASTM D 638
Elongation at Break	40	%	ASTM D 638
Flexural Modulus	1800	MPa	ASTM D 790
Flexural Strength	58	MPa	ASTM D 790
Izod Impact notched, 1/8 in	580	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
DTUL @ 264 psi	80	°C	ASTM D 648
Vicat Temperature	92	°C	ASTM D 1525
Electrical properties			
ISO Data			
Volume resistivity	1E14	Ohm*m	IEC 62631-3-1
Surface resistivity	1E14	Ohm	IEC 62631-3-2
Other properties			
Density	1040	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	80 - 90	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.05	%	-
Melt temperature	200 - 230	°C	-
Mold temperature	50 - 80	°C	-
Zone 1	190 - 200	°C	-
Zone 2	200 - 220	°C	-
Zone 3	210 - 230	°C	-
Nozzle temperature	210 - 230	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	1 - 5	MPa	-

Characteristics

Processing

Injection Molding

Applications

Sports Equipment

Special Characteristics

High impact or impact modified

Regional Availability

Asia Pacific