

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0065	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	58.9	MPa	ASTM D 638
Elongation at Break	100	%	ASTM D 638
Flexural Modulus	2158	MPa	ASTM D 790
Flexural Strength	93.2	MPa	ASTM D 790
Izod Impact notched, 1/8 in	687	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. 5V at thickness h	5VB	class	IEC 60695-11-20
Thickness tested	2.0	mm	-
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 264 psi	110	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1200	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	90 - 100	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	275 - 290	°C	-
Mold temperature	80 - 100	°C	-
Zone 1	270 - 285	°C	-
Zone 2	275 - 290	°C	-
Zone 3	275 - 290	°C	-
Nozzle temperature	270 - 285	°C	-
Screw speed	40 - 80	rpm	-
Back pressure	1 - 4	MPa	-

Characteristics

Processing

Injection Molding

Special Characteristics

Flame retardant, Halogen-free, High impact or impact modified

Applications

IT / Business Machine, Electrical and Electronical

Regional Availability

North America, Europe, Asia Pacific, South and Central America