

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.8	%	ISO 294-4, 2577
ASTM Data			
Mold Shrinkage, MD	0.0085	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Tensile Strength	30	MPa	ISO 527
Flexural modulus	4500	MPa	ISO 178
Flexural strength	41	MPa	ISO 178
Charpy impact strength, +23°C	24	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	2	kJ/m ²	ISO 179/1eA
Rockwell hardness	R 95	-	ISO 2039-2
ASTM Data			
Tensile Modulus	5000	MPa	ASTM D 638
Tensile Strength	34	MPa	ASTM D 638
Flexural Modulus	4400	MPa	ASTM D 790
Flexural Strength	57	MPa	ASTM D 790
Rockwell Hardness	R 95	-	ASTM D 785
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	163	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	147	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	147	°C	ISO 75-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Coefficient of Thermal Expansion, MD	70	E-6/K	ASTM D 696
DTUL @ 66 psi	140	°C	ASTM D 648
DTUL @ 264 psi	110	°C	ASTM D 648
Melting Temperature	163	°C	ASTM D 3418
Other properties			
Density	1220	kg/m ³	ISO 1183
Density	1200	kg/m ³	ASTM D 792