

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	6	g/10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.4-0.7	%	ISO 294-4, 2577
Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2200	MPa	ISO 527
Yield stress	48	MPa	ISO 527
Yield strain	15	%	ISO 527
Flexural strength, 23°C	76	Mpa	ISO 178
Flexural modulus, 23°C	2400	MPa	ISO 178
Charpy notched impact strength, +23°C	11	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	2	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	12	kJ/m ²	ISO 180/1A
Izod notched impact strength	2	kJ/m ²	ISO 180/1A
Rockwell Hardness, R-Scale	104	-	ISO 2039
ASTM Data			
Tensile Strength at Yield	47	MPa	ASTM D 638
Tensile Strength at Break	15	MPa	ASTM D 638
Elongation at Break	15	%	ASTM D 638
Tensile Modulus	2100	Mpa	ASTM D 638
Flexural Strength	76	MPa	ASTM D 790
Flexural Modulus	2300	MPa	ASTM D 790
Izod Impact notched, 3.2mm 23°C	170	J/m	ASTM D 256
Izod Impact notched, 3.2mm -30°C	60	J/m	ASTM D 256
Izod Impact notched, 6.4mm 23°C	140	J/m	ASTM D 256
Izod Impact notched, 6.4mm -30°C	40	J/m	ASTM D 256
Rockwell Hardness, R-Scale	104	-	ASTM D 785
Thermal properties	Value	Unit	Test Standard
ISO Data			
Deflection Temperature 66psi, Unannealed	102	°C	ASTM D 648
Deflection Temperature 66psi, Annealed	105	°C	ASTM D 648
Deflection Temperature 264psi, Unannealed	94	°C	ASTM D 648
Deflection Temperature 264psi, Annealed	100	°C	ISO 75-2/A
Vicat softening temperature, B	95	°C	ISO 306
Burning behavior at 1.5 mm thickness	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Burning behavior at 3 mm thickness	HB	class	IEC 60695-11-10
Thickness tested	30	mm	
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	6.4	mm	-
DTUL @ 66 psi	102	°C	ASTM D 648
DTUL @ 264 psi	94	°C	ASTM D 648
Vicat Temperature	102	°C	ASTM D 1525
Other properties	Value	Unit	Test Standard
Density (ISO)	1080	kg/m ³	ISO 1183

Density (ASTM)	1080	kg/m ³	ASTM D 792
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