

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	28	g/10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
ASTM Data			
Melt Flow Index, MFI	8	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	3.8	kg	-
Mold Shrinkage, MD	0.0055	mm/mm	ASTM D 955
Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2340	MPa	ISO 527
Yield stress	45	MPa	ISO 527
Yield strain	2.5	%	ISO 527
Flexural modulus, 23°C	2400	MPa	ISO 178
Charpy notched impact strength, +23°C	19	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	9	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	19	kJ/m ²	ISO 180/1A
Izod notched impact strength	9	kJ/m ²	ISO 180/1A
Temperature	-30	°C	-
ASTM Data			
Tensile Strength at Yield	48	MPa	ASTM D 638
Tensile Strength at Break	35	MPa	ASTM D 638
Elongation at Yield	2.7	%	ASTM D 638
Elongation at Break	8.7	%	ASTM D 638
Flexural Modulus	2482	MPa	ASTM D 790
Flexural Strength	75.2	MPa	ASTM D 790
Rockwell Hardness	R108	-	ASTM D 785
Izod Impact notched, 1/8 in	235	J/m	ASTM D 256
Thermal properties	Value	Unit	Test Standard
ISO Data			
Deflection Temperature 66psi (0.45 MPa), Unannealed	87	°C	ASTM D 648
Deflection Temperature 264psi (1.8 MPa), Unannealed	74	°C	ASTM D 648
Deflection Temperature 264psi (1.8 MPa), Annealed	95	°C	ISO 75-2/A
Vicat softening temperature, B	95	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3	mm	-
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 66 psi	87.2	°C	ASTM D 648
DTUL @ 264 psi	73.9	°C	ASTM D 648
Vicat Temperature	98.9	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	1050	kg/m ³	ISO 1183
Density	1050	kg/m ³	ASTM D 792