

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	15	g/10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-
Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577
ASTM Data			
Melt Flow Index, MFI	15	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-
Mold Shrinkage, MD	0.0035	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	3380	MPa	ISO 527
Yield stress	62	MPa	ISO 527
Stress at break	61	MPa	ISO 527
Strain at break	6	%	ISO 527
Flexural modulus, 23°C	3170	MPa	ISO 178
Izod impact strength, +23°C	29	kJ/m ²	ISO 180/1U
ASTM Data			
Tensile Modulus	3378	MPa	ASTM D 638
Tensile Strength at Yield	62.1	MPa	ASTM D 638
Tensile Strength at Break	60.7	MPa	ASTM D 638
Elongation at Break	6	%	ASTM D 638
Flexural Modulus	3172	MPa	ASTM D 790
Flexural Strength	93.8	MPa	ASTM D 790
Rockwell Hardness	R 122	-	ASTM D 785
Izod Impact notched, 1/8 in	80.1	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	134	°C	ISO 75-1/-2
Vicat softening temperature, B	160	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	V-2	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	3.2	mm	-
Oxygen index	32	%	ISO 4589-1/-2
ASTM Data			
UL 94 Flame rating	V-2	-	UL 94
Thickness tested	1.59	mm	-
Coefficient of Thermal Expansion, MD	37.8	E-6/K	ASTM D 696
DTUL @ 264 psi	134	°C	ASTM D 648
Vicat Temperature	160	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Humidity absorption	0.25	%	Sim. to ISO 62
Density	1270	kg/m ³	ISO 1183
Water Absorption, 24hr	0.15	%	ASTM D 570
Water Absorption, Equilibrium	0.25	%	ASTM D 570
Density	1270	kg/m ³	ASTM D 792

Characteristics

Additives

Release agent

Applications

IT / Business Machine, Medical

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

North America, South and Central America