

Product Texts

Applications:

Continuous filament for cables, Continuous filament for knitting, Continuous filament for Mattresses, Nonwovens.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	26	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
ASTM Data			
Melt Flow Index, MFI	26	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	35	MPa	ISO 527
Yield strain	9	%	ISO 527
Flexural modulus, 23°C	1350	MPa	ISO 178
Izod notched impact strength, +23°C	25	kJ/m ²	ISO 180/1A
Rockwell hardness	R 101	-	ISO 2039-2
ASTM Data			
Tensile Strength at Yield	35	MPa	ASTM D 638
Elongation at Yield	9	%	ASTM D 638
Rockwell Hardness	R 101	-	ASTM D 785
Izod Impact notched, 1/8 in	25	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	58	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	102	°C	ISO 75-1/-2
Vicat softening temperature, A	155	°C	ISO 306
ASTM Data			
DTUL @ 66 psi	102	°C	ASTM D 648
DTUL @ 264 psi	58	°C	ASTM D 648
Vicat Temperature	155	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	905	kg/m ³	ISO 1183
Density	905	kg/m ³	ASTM D 792

Characteristics

Processing

Fiber Extrusion

Features

Homopolymer

Regional Availability

North America, Europe, South and Central America