

## Product Texts

## Applications:

Continuous filament for carpets, Continuous filament for ropes, Continuous filament for sewing thread, Drawers, Home appliances, Nonwovens, staple fiber needle punched carpets.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	20	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
<b>ASTM Data</b>			
Melt Flow Index, MFI	20	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Yield stress	35	MPa	ISO 527
Yield strain	10	%	ISO 527
Flexural modulus, 23°C	1500	MPa	ISO 178
Izod notched impact strength, +23°C	3.1	kJ/m <sup>2</sup>	ISO 180/1A
Rockwell hardness	R 102	-	ISO 2039-2
<b>ASTM Data</b>			
Tensile Strength at Yield	35	MPa	ASTM D 638
Elongation at Yield	10	%	ASTM D 638
Rockwell Hardness	R 100	-	ASTM D 785
Izod Impact notched, 1/8 in	20	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	57	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	107	°C	ISO 75-1/-2
Vicat softening temperature, A	154	°C	ISO 306
<b>ASTM Data</b>			
DTUL @ 66 psi	110	°C	ASTM D 648
DTUL @ 264 psi	57	°C	ASTM D 648
Vicat Temperature	154	°C	ASTM D 1525

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

## Characteristics

## Processing

Injection Molding, Fiber Extrusion

## Regional Availability

North America, Europe, South and Central America

## Features

Low Odor, Melt Strength, Homopolymer