

## Product Texts

## Applications:

High tenacity fibers for asbestos-free tiles, High tenacity fibers for concrete reinforcement, Staple fibers and high tenacity continuous filaments.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	18	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
<b>ASTM Data</b>			
Melt Flow Index, MFI	18	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Yield stress	36	MPa	ISO 527
Yield strain	9	%	ISO 527
Flexural modulus, 23°C	1500	MPa	ISO 178
Izod notched impact strength, +23°C	1.9	kJ/m <sup>2</sup>	ISO 180/1A
Rockwell hardness	R 103	-	ISO 2039-2
<b>ASTM Data</b>			
Tensile Strength at Yield	36	MPa	ASTM D 638
Elongation at Yield	9	%	ASTM D 638
Rockwell Hardness	R 103	-	ASTM D 785
Izod Impact notched, 1/8 in	25	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	59	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	103	°C	ISO 75-1/-2
Vicat softening temperature, A	151	°C	ISO 306
<b>ASTM Data</b>			
DTUL @ 66 psi	103	°C	ASTM D 648
DTUL @ 264 psi	59	°C	ASTM D 648
Vicat Temperature	151	°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

Fiber Extrusion

## Features

Melt Strength, Homopolymer

## Regional Availability

North America, Europe, South and Central America