



### P-FI-160 Homopolymer

#### Description:

"Polynar P-FI-160" is polypropylene homopolymer with good flow properties and medium molecular weight distribution intended for fiber extrusion applications.

"Polynar P-FI-160" has a high fluidity and best suits for the production of staple fibers, bulk continuous filament (BCF). And continuous filament(CF)

"Polynar P-FI-160" is suitable for food contact.

#### Processing Method:

Fiber extrusion

#### Features:

homopolymer  
good flow properties  
consistent processability  
medium molecular weight distribution

#### Typical Applications:

BCF and CF yarn  
Staple fibers  
Carpet , diapers, medical disposables, wipes and other applications include filters and fabrics for the automotive , clothing and furniture industry.

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
<b>Physical</b>			
Melt Flow Rate (230 °C, 2.16kg)	16.0	g/10min	ASTM D1238
Density	0.90	g/cm <sup>3</sup>	ASTM D1505
<b>Mechanical</b>			
Flexural Modulus	1550	MPa	ASTM D790
Tensile Strength at Yield	33	MPa	ASTM D638
Tensile Elongation at Yield	12	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	30	J/m	ASTM D256
<b>Thermal</b>			
Vicat softening point (10N)	154	°C	ASTM D1525
H.D.T. (0.46 Mpa)	95	°C	ASTM D648

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