



### NAME: P-FI-160 Homopolymer

#### Product 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.

#### 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 data: (Table)

Test/Composition	Value	Unit	Method
Melt flow rate(230°C /2.16 kg)	16	dg/min	ASTMD1238
Density	0.9	g/cm3	ASTMD 1505
Flexural Modulus	1550	MPa	ASTM D790
Tensile Strength at Yield	33	MPa	ASTM D 638
Tensile Elongation at Yield	12	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	30	J/m	ASTM D256
Vicat softening point (10 N)	154	°C	ASTM D1525
H.D.T (0.46 MPa)	95	°C	ASTM D 648

Main Application: Fiber extrusion Product Type: Homo polymer