

## 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 andCF yarn

Staple fibers

Carpet , diapers, medical disposables, wipes and other applications include filters and fabrics for the automotive , clothing and furniture industry.

### Producer

Polynar Petrochemical Company

Typical Properties	Value	Unit	Method
<b>Physical</b>			
Melt Flow Rate (230 oC, 2.16kg)	16	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 oC	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

[www.polymeran.com](http://www.polymeran.com)