



### NAME: P-F-040 Homopolymer

#### Product Description:

"Polynar P-F-040" is a polypropylene homopolymer for the production of film yarn and monofilament. "Polynar P-F-040" combine outstanding process ability with good mechanical properties. "Polynar P-F-040" particularly suitable for the high speed extrusion of film yarn for industrial fabrics. Heavy duty bags, ropes, carpet backing and twines. "Polynar P-F-040" is suitable for food contact

#### Typical Applications:

Polynar P-F-040 can be used for producing woven bags, Heavy duty bags, ropes, carpet backing and twines. Seats, toys and automotive industry.

#### Typical data: (Table)

Test/Composition	value	unit	Method
Melt flow rate(230°C /2.16 kg)	4.0	dg/min	ASTM D1238
Density	0.9	g/cm3	ASTM D 1505
Flexural Modulus	1500	MPa	ASTM D790
Tensile Strength at Yield	34	MPa	ASTM D 638
Tensile Elongation at Yield	12	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	55	J/m	ASTM D256
Vicat softening point (ION)	156	°C	ASTM D1525
H.D.T (0.46 MPa)	94	°C	ASTM D 648

Main Application: Extrusion of sheet for Thermoforming, Film Yarn & Monofilament Product  
Type: Homo polymer