



## NAME: P-SIF-030

### Product Description:

"Polynar P-SIF-030" is a polypropylene homopolymer particularly suitable for the extrusion of sheet for thermoforming, film yarn & monofilament.

"Polynar P-SIF-030" combines outstanding process ability with good mechanical properties.

"Polynar P-SIF-030" is designed for the production of films that can be converted into stretched tapes for weaving applications. Textile film yarns with a denier count of not more than 1100 to 1300 and are used for the production of carpet backings, bags, industrial fabrics, mats and artificial grass. Film yarn with a denier cont. ranging from 3000 to 28000 is used for baler twines, packaging twines and ropes. "Polynar P-SIF-030" is suitable for food contact.

### Typical Applications:

Polynar P-SIF-030 Stiff sheet for high quality thermoforming such as vending cups, packaging for dairy products and trays for fruit, biscuits and chocolates

Film yarn, raffia, tapes, strapping Carpet backings, bags, industrial fabrics, mats and artificial grass. Baler twines, packaging twines and ropes Brush and broom filling and technical applications nets for various purposes.

### Typical data: (Table)

Test/Composition	Value	Unit	Method
Melt flow rate(230°C /2.16 kg)	3.0	dg/min	ASTMD1238
Density	0.9	g/cm <sup>3</sup>	ASTMD 1505
Flexural Modulus	1550	MPa	ASTMD790
Tensile Strength at Yield	35	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	ASTMD 1525
H.D.T (0.46 MPa)	94	°C	ASTM D 648

Main Application: Extrusion (film yarn, monofilament and sheet) Product Type: Homo polymer.