



P-SIF-030

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 count ranging from 3000 to 28000 is used for baler twines, packaging twines and ropes.

"Polynar P-SIF-030" is suitable for food contact.

Processing Method

Extrusion (film yarn, monofilament, sheet)

Features:

Homopolymer
good mechanical properties
consistent processability

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 PROPERTIES	VALUE	UNIT	METHOD
Physical			
Melt Flow Rate (230 °C, 2.16kg)	3.0	g/10min	ASTM D1238
Density	0.90	g/cm ³	ASTM D1505
Mechanical			
Flexural Modulus	1550	MPa	ASTM D790
Tensile Strength at Yield	35	MPa	ASTM D638
Tensile Elongation at Yield	12	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	55	J/m	ASTM D256
Thermal			
Vicat softening point (10N)	156	°C	ASTM D1525
H.D.T. (0.46 Mpa)	94	°C	ASTM D648

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