

IRPC Polimaxx Polene 1102H Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

CHARACTERISTICS: GOOD STIFFNESS, GOOD EXTRUDABILITY, HIGH IMPACT APPLICATIONS: MONOFILAMENT/YARN/SHEET EXTRUSION FOR THERMOFORMING BLOW MOLDING AND INJECTION MOLDING FOR ROPES COARSE TEXTILE FOR JUMBO BAGS INDUSTRIAL CONTAINERS STRETCH TAPE CORRUGATE SHEET BOTTLE CLOSURES SHEETS FOR FILE SHEET EXTRUSION FOR THERMOFORMING CUPS AND DAIRY CONTAINERS

Order this product through the following link:

http://www.lookpolymers.com/polymer_IRPC-Polimaxx-Polene-1102H-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Melt Flow	2.0 g/10 min @Load 2.16 kg, Temperature 230 °C	2.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	107	107	ASTM D785
Tensile Strength, Yield	37.0 MPa	5370 psi	ASTM D638
Elongation at Yield	28 %	28 %	ASTM D638
Flexural Modulus	1.60 GPa	232 ksi	1% Secant; ASTM D790
Charpy Impact, Notched	0.600 J/cm ² @Temperature 23.0 °C	2.86 ft-lb/in ² @Temperature 73.4 °F	DIN 53453

Thermal Properties	Metric	English	Comments
Heat Distortion Temperature	110 °C	230 °F	ASTM D648

Processing Properties	Metric	English	Comments
Processing Temperature	170 - 290 °C	338 - 554 °F	

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