

IRPC Polimaxx Polene 1102K Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

CHARACTERISTICS: GOOD STIFFNESS, GOOD EXTRUDABILITY, HIGH IMPACT APPLICATIONS: MONOFILAMENT/YARN/SHEET EXTRUSION AND INJECTION MOLDING COARSE TEXTILE FOR WOVEN BAGS, TARPULINS, ROPES, STRAWS, INDUSTRIAL CONTAINERS, SHEETS, STRETCH TAPE

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Melt Flow	4.0 g/10 min @Load 2.16 kg, Temperature 230 Å°C	4.0 g/10 min @Load 4.76 lb, Temperature 446 Å°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	27 %	27 %	ASTM D638
Flexural Modulus	1.60 GPa	232 ksi	1% Secant; ASTM D790
Charpy Impact, Notched	0.450 J/cmÅ² @Temperature 23.0 Å°C	2.14 ft-lb/inÅ² @Temperature 73.4 Å°F	DIN 53453

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

Processing Properties	Metric	English	Comments
Processing Temperature	200 - 280 Å°C	392 - 536 Å°F	

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