

SABIC PP 523P Polypropylene Homopolymer for Bi-axially Oriented Film

Category : Polymer , Film , Thermoplastic , Polypropylene (PP) , Polypropylene, Film Grade

Material Notes:

Product Description: PP 523P is a non formulated grade, specially developed for bi-axially oriented PP (BOPP) film extrusion with a very specific molecular structure providing ultimate properties required for the stenter film process. PP 523P is suitable for metallizable film, both as monolayer and in co-extruded structures. Films produced using PP 523P will exhibit: Consistent processability Very good film profile Excellent optical properties High tensile properties Low residual ash Film produced can be metalized

Typical Applications: PP 523P can be used as core layer in co-extruded film and/or as base material for plain films used for stationary, dry food bags, synthetic paper and heat sealable packaging films. Information provided by SABIC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-PP-523P-Polypropylene-Homopolymer-for-Bi-axially-Oriented-Film.php

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in ³	ASTM D792
Melt Flow	3.0 g/10 min @Load 2.16 kg, Temperature 230 °C	3.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	ASTM D785
Tensile Strength, Yield	35.0 MPa	5080 psi	ASTM D638
Elongation at Yield	12 %	12 %	ASTM D638
Flexural Modulus, 1% Secant	1500 MPa	218000 psi	ASTM D790A
Izod Impact, Notched	0.350 J/cm	0.656 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	94.0 °C	201 °F	ASTM D648
Vicat Softening Point	156 °C	313 °F	ASTM D1525B

Processing Properties	Metric	English	Comments
Processing Temperature	245 - 255 °C	473 - 491 °F	Barrel Temperature

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