

Braskem Symbios 3102 Polypropylene Terpolymer

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

Material Notes:

Braskem Symbios 3102 is a medium melt flow rate terpolymer with a heat seal temperature below 110°C on its non-treated face. It is designed for use as a heat sealing layer for cast film coextrusion. This product does not have slip and anti-blocking agents so it's indicated for customized formularization. This product is appropriate for metallizing and lamination processes.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-Symbios-3102-Polypropylene-Terpolymer.php

Physical Properties	Metric	English	Comments
Density	0.902 g/cc	0.0326 lb/in ³	ASTM-D792
Melt Flow	9.0 g/10 min @Load 2.16 kg, Temperature 230 °C	9.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	87	87	ASTM-D785
Tensile Strength, Yield	26.0 MPa	3770 psi	ASTM-D638
Elongation at Yield	13 %	13 %	ASTM-D638
Flexural Modulus	0.800 GPa	116 ksi	ASTM-D790
Izod Impact, Notched	0.180 J/cm @Temperature -20.0 °C	0.337 ft-lb/in @Temperature -4.00 °F	ASTM-D256
	0.450 J/cm @Temperature 23.0 °C	0.843 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	51.0 °C	124 °F	ASTM-D648
Deflection Temperature at 1.8 MPa (264 psi)	80.0 °C	176 °F	ASTM-D648
Vicat Softening Point	123 °C @Load 1.02 kg	253 °F @Load 2.25 lb	ASTM-D1525

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