

SABIC PP 511A Polypropylene Homopolymer for Spunbond Applications

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

Material Notes:

Product Description: PP 511A is a controlled rheology grade with a narrow molecular weight distribution intended for spun bond fiber extrusion applications. PP 511A has the following features: Consistent processability Good thread line stability Good color consistency Good gas fading resistance

Typical Applications: PP 511A can be found suitable for the high speed production of fine filament spun bond fabrics having excellent tensile properties. Information provided by SABIC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-PP-511A-Polypropylene-Homopolymer-for-Spunbond-Applications.php

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in ³	ASTM D792
Melt Flow	25 g/10 min @Load 2.16 kg, Temperature 230 °C	25 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	104	104	ASTM D785
Tensile Strength, Yield	35.0 MPa	5080 psi	ASTM D638
Elongation at Yield	11 %	11 %	ASTM D638
Flexural Modulus, 1% Secant	1520 MPa	220000 psi	ASTM D790A
Izod Impact, Notched	0.220 J/cm	0.412 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	106 °C	223 °F	ASTM D648
Vicat Softening Point	155 °C	311 °F	ASTM D1525B

Processing Properties	Metric	English	Comments
Processing Temperature	210 - 250 °C	410 - 482 °F	Barrel Temperature

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