

SABIC PP 518A Polypropylene Homopolymer for Fiber Applications

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

Material Notes:

Product Description: PP 518A is a PP homopolymer with a broad molecular weight distribution intended for fiber extrusion applications. PP 518A has the following features: Consistent processability Good thread line stability Good gas fading resistance

Typical Applications: PP 518A is particularly suitable for producing bulk continuous filament (BCF), continuous filament (CF) and staple fiber yarns for carpet pile and upholstery. Information provided by SABIC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-PP-518A-Polypropylene-Homopolymer-for-Fiber-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	100	100	ASTM D785
Tensile Strength, Yield	32.0 MPa	4640 psi	ASTM D638
Elongation at Yield	12 %	12 %	ASTM D638
Flexural Modulus, 1% Secant	1550 MPa	225000 psi	ASTM D790A
Izod Impact, Notched	0.300 J/cm	0.562 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	118 °C	244 °F	ASTM D648
Vicat Softening Point	152 °C	306 °F	ASTM D1525B

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

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