

Total PPH 3862 Homopolymer Polypropylene, Fiber Grade

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

Material Notes:

Total Petrochemicals Polypropylene 3862 is recommended for high speed melt spinning processes and multifilament yarns like bulk continuous filament (BCF) and continuous filament (CF) fibers. 3862 is specially designed for ultra fine staple fibers with good mechanical properties. 3862 features excellent processability and gas fade resistance in order to significantly reduce yellowing in fibers. 3862 is also recommended for thin wall injection molding application requiring high fluidity and high stiffness or for compounding application. Information provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-PPH-3862-Homopolymer-Polypropylene-Fiber-Grade.php

Physical Properties	Metric	English	Comments
Bulk Density	0.525 g/cc	0.0190 lb/in ³	Internal
Melt Flow	35 g/10 min @Load 2.16 kg, Temperature 230 °C	35 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	38.0 MPa	5510 psi	ASTM D638
Flexural Modulus	1.55 GPa	225 ksi	ASTM D790
Izod Impact, Notched	0.170 J/cm	0.318 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	165 °C	329 °F	DSC
Vicat Softening Point	153 °C @Load 1.02 kg	307 °F @Load 2.25 lb	ASTM D1525

Descriptive Properties	Value	Comments
Isotacticity Index (%)	96	Total Internal Test

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