

Ineos H03W-01 Polypropylene, Gas Phase Polymerized

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

Material Notes:

H03W-01 (formerly Fortilene® HG3253) belongs to the new generation of polypropylenes produced by gas phase polymerization. This nominal 4 melt flow index product is specifically designed for fiber applications which require low water carryover characteristics coupled with good melt and thermal stability in the finished product. Specific applications for HG3253 include cordage, carpet backing, industrial fabrics and geotextiles. This material meets the FDA requirements of 21CFR 177.1520. Data provided by the manufacturer, Solvay Polymers, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-H03W-01-Polypropylene-Gas-Phase-Polymerized.php

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in ³	ASTM D4883
Melt Flow	4.0 g/10 min	4.0 g/10 min	Condition not specified. ASTM D 1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	74	74	ASTM D2240
Tensile Strength, Yield	33.8 MPa	4900 psi	ASTM D638
Elongation at Yield	9.0 %	9.0 %	ASTM D638
Flexural Modulus	1.59 GPa	231 ksi	1% Secant at 0.05 in/min; ASTM D790
Izod Impact, Notched	0.220 J/cm	0.412 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	160 °C	320 °F	ASTM D3418
Crystallization Temperature	110 °C	230 °F	ASTM D3418

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