

S&E Specialty Polymers TufFill™ 5701 Black PP

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 50% Calcium Carbonate , Polypropylene, Extrusion Grade

Material Notes:

Application: High Calcium carbonate filed, high heat resistance thermoplastic extrusion grade based on polypropylene copolymer/homopolymer. Information provided by S&E Specialty Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_SE-Specialty-Polymers-TufFill-5701-Black-PP.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.24 g/cc	1.24 g/cc	ISO 1183
Melt Flow	0.950 g/10 min @Load 2.16 kg, Temperature 230 °C	0.950 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	70.0	70.0	ISO 868
Tensile Strength	21.9 MPa	3180 psi	ISO 527
Elongation at Break	469 %	469 %	ISO 527
Flexural Modulus	2.382 GPa	345.5 ksi	ISO 178
Izod Impact, Notched (ISO)	4.98 kJ/m ² @Temperature -40.0 °C	2.37 ft-lb/in ² @Temperature -40.0 °F	ISO 180/1A
	15.9 kJ/m ² @Temperature 24.0 °C	7.57 ft-lb/in ² @Temperature 75.2 °F	ISO 180/1A
Impact Test	22.4 J	16.5 ft-lb	multiaxial, at 2.2 m/sec, 100% ductile; ASTM 3763

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	106 °C	223 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	65.0 °C	149 °F	ISO 75

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