

Multibase Multi-Pro® 2518 CU 25% Mineral Filled Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Mineral Reinforced

Material Notes:

Multi-Pro 2518 CU is a mineral reinforced polypropylene compound offering overall balanced impact and stiffness properties. This material is specially formulated with UV stabilization for outdoor exposure and is particularly suited for lawn furniture applications. Data provided by Multibase.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-Multi-Pro-2518-CU-25-Mineral-Filled-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in ³	ASTM D792-91
Linear Mold Shrinkage	0.0090 cm/cm	0.0090 in/in	ASTM D955-89
Melt Flow	18 g/10 min	18 g/10 min	(Condition L) ASTM D-1238-94a

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	72	72	10 sec; ASTM D-2240-95
Tensile Strength, Ultimate	24.1 MPa	3500 psi	ASTM D638-95
Elongation at Break	150 %	150 %	ASTM D638-95
Flexural Modulus	1.724 GPa	250.0 ksi	Method 1, Proc. B; ASTM D-790-95
Izod Impact, Notched	0.530 J/cm	0.993 ft-lb/in	ASTM D256-93a
Gardner Impact	5.60 J	4.13 ft-lb	ASTM D5420-93

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	102 °C	216 °F	ASTM D648-95
Deflection Temperature at 1.8 MPa (264 psi)	63.0 °C	145 °F	ASTM D648-95

Optical Properties	Metric	English	Comments
Gloss	72 %	72 %	ASTM D2457-90

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