

Overview of materials for Polypropylene w/ 50% Calcium Carbonate

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

Material Notes:

This property data is a summary of similar materials in the MatWeb database for the category "Polypropylene w/ 50% Calcium Carbonate". Specific grades with calcium carbonate content between 45% and 54% are included. Each property range of values reported is minimum and maximum values of appropriate MatWeb entries. The comments report the average value, and number of data points used to calculate the average. The values are not necessarily typical of any specific grade, especially less common values and those that can be most affected by additives or processing methods.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Overview-of-materials-for-Polypropylene-w-50-Calcium-Carbonate.php

Physical Properties	Metric	English	Comments
Density	1.24 - 1.84 g/cc	0.0448 - 0.0665 lb/in ³	Average value: 1.45 g/cc Grade Count:8
Melt Flow	0.350 - 30.0 g/10 min	0.350 - 30.0 g/10 min	Average value: 11.6 g/10 min Grade Count:6

Mechanical Properties	Metric	English	Comments
Elongation at Break	50.0 - 469 %	50.0 - 469 %	Average value: 251 % Grade Count:3
Flexural Modulus	1.60 - 2.96 GPa	232 - 430 ksi	Average value: 2.35 GPa Grade Count:5
Izod Impact, Notched (ISO)	4.98 - 4.98 kJ/m ² @Temperature -40.0 - - 40.0 °C	2.37 - 2.37 ft-lb/in ² @Temperature -40.0 - - 40.0 °F	Average value: 4.98 kJ/m ² Grade Count:1
Gardner Impact	12.4 - 19.0 J	9.15 - 14.0 ft-lb	Average value: 15.8 J Grade Count:4

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	93.3 - 107 °C	200 - 225 °F	Average value: 102 °C Grade Count:3

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