

A.D. Compound Adene NCQA Homopolymer 40% CaCO3 Filled Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 40% Calcium Carbonate (CaCO3) Filler

Material Notes:

Information provided by A.D. Compound

Order this product through the following link:

http://www.lookpolymers.com/polymer_AD-Compound-Adene-NCQA-Homopolymer-40-CaCO3-Filled-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in ³	ISO 1183
Filler Content	40 %	40 %	ISO 3451 / 1
Melt Index of Compound	14 g/10 min @Load 2.16 kg, Temperature 230 °C	14 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	74	74	ISO 868
Tensile Strength, Yield	20.0 MPa	2900 psi	ISO 527
Elongation at Break	38 %	38 %	ISO 527
Elongation at Yield	6.0 %	6.0 %	ISO 527
Flexural Modulus	2.25 GPa	326 ksi	ISO 178
Izod Impact, Notched (ISO)	2.80 kJ/m ²	1.33 ft-lb/in ²	ISO 180/1A
Izod Impact, Unnotched (ISO)	10.0 kJ/m ²	4.76 ft-lb/in ²	ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	65.0 °C	149 °F	ISO 75
Vicat Softening Point	96.0 °C	205 °F	49 N; ISO 306

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