

A.D. Compound Adene NCHA Homopolymer 25% CaCO3 Filled Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 30% 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-NCHA-Homopolymer-25-CaCO3-Filled-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in ³	ISO 1183
Filler Content	25 %	25 %	ISO 3451 / 1
Melt Index of Compound	15 g/10 min @Load 2.16 kg, Temperature 230 °C	15 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	73	73	ISO 868
Tensile Strength, Yield	24.0 MPa	3480 psi	ISO 527
Elongation at Break	48 %	48 %	ISO 527
Elongation at Yield	7.5 %	7.5 %	ISO 527
Flexural Modulus	1.75 GPa	254 ksi	ISO 178
Izod Impact, Notched (ISO)	3.70 kJ/m ²	1.76 ft-lb/in ²	ISO 180/1A
Izod Impact, Unnotched (ISO)	13.0 kJ/m ²	6.19 ft-lb/in ²	ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	62.0 °C	144 °F	ISO 75
Vicat Softening Point	94.0 °C	201 °F	49 N; ISO 306

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