

LyondellBasell Hostacomâ„ç AE716BC Polypropylene Homopolymer

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

Material Notes:

Description: Hostacomâ„ç AE716BC conventional melt flow, 1,400 MPa flexural modulus, UV-stabilized, 40% calcium carbonate-filled polypropylene homopolymer has a good balance of properties and processing. It was designed to meet UL 746B (F1) requirements for outdoor applications. Uses: Electrical parts, outdoor applications
Information provided by Basell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Hostacom-AE716BC-Polypropylene-Homopolymer.php

| Physical Properties | Metric | English | Comments |
|---------------------|---|---|-------------------------|
| Density | 1.24 g/cc | 0.0448 lb/in ³ | ASTM D792 |
| Melt Flow | 4.0 g/10 min @Load 2.16 kg, Temperature 230 Â°C | 4.0 g/10 min @Load 4.76 lb, Temperature 446 Â°F | Condition L; ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|-----------|---------------|------------------------|
| Hardness, Rockwell R | 87 | 87 | ASTM D 785 |
| Tensile Strength, Yield | 17.0 MPa | 2470 psi | ASTM D 638 |
| Elongation at Yield | 25 % | 25 % | ASTM D 638 |
| Flexural Modulus | 1.40 GPa | 203 ksi | procedure A; ASTM D790 |
| Izod Impact, Notched | 1.60 J/cm | 3.00 ft-lb/in | 73Â°F; ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|---------|---------|-----------------------|
| Deflection Temperature at 0.46 MPa (66 psi) | 104 Â°C | 219 Â°F | Unannealed; ASTM D648 |

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