

Multibase Multi-Pro® 1510 CNU White Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Forms: Pellets Processing Methods: Injection Molding Information provided by Multibase

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-Multi-Pro-1510-CNU-White-Polypropylene.php

| Physical Properties | Metric | English | Comments |
|-----------------------|---------------------|---------------------------|------------|
| Density | 1.05 g/cc | 0.0379 lb/in ³ | ASTM D792 |
| Linear Mold Shrinkage | 0.015 - 0.045 cm/cm | 0.015 - 0.045 in/in | ASTM D955 |
| Melt Flow | 8.5 g/10 min | 8.5 g/10 min | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|------------|----------------|-----------------|
| Tensile Strength, Ultimate | 20.7 MPa | 3000 psi | ASTM D638 |
| Elongation at Break | 300 % | 300 % | ASTM D638 |
| Flexural Strength | 27.6 MPa | 4000 psi | ASTM D790 |
| Flexural Modulus | 0.965 GPa | 140 ksi | ASTM D790 |
| Izod Impact, Notched | 0.400 J/cm | 0.750 ft-lb/in | 73°F; ASTM D256 |
| Gardner Impact | 11.298 J | 8.3333 ft-lb | ASTM D3029 |

| Thermal Properties | Metric | English | Comments |
|---|---------|---------|-----------------------|
| Deflection Temperature at 0.46 MPa (66 psi) | 93.9 °C | 201 °F | Unannealed; ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 57.8 °C | 136 °F | Unannealed; ASTM D648 |

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