

Borealis Daplen™ HJ060UB Polypropylene Compound for Direct Left Manufactured Applications

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Daplen FJ060UB is a special low viscosity compound for direct LFT manufacturing process. It interacts perfectly with glass fibers to create excellent stiffness and impact resistance. Daplen HJ060UB is specifically developed for front end carriers and under body finishers replacing GMT at the same level of mechanical performance. Daplen FJ060UB has been developed for front end carriers and under body finisher. Information provided by the Manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-Daplen-HJ060UB-Polypropylene-Compound-for-Direct-Left-Manufactured-Applications.php

| Physical Properties | Metric | English | Comments |
|---------------------|---|---|----------|
| Density | 0.910 g/cc | 0.0329 lb/in ³ | ISO 1183 |
| Melt Flow | 50 g/10 min @Load 2.16 kg, Temperature 230 °C | 50 g/10 min @Load 4.76 lb, Temperature 446 °F | ISO 1133 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|---|---|-------------------------|
| Tensile Strength, Yield | 35.00 MPa | 5076 psi | At 50 mm/min; ISO 527-2 |
| Elongation at Yield | 9.0 % | 9.0 % | At 50 mm/min; ISO 527-2 |
| Tensile Modulus | 1.55 GPa | 225 ksi | At 1 mm/min; ISO 527-2 |
| Flexural Modulus | 1.45 GPa | 210 ksi | At 5 mm/min; ISO 178 |
| Charpy Impact Unnotched | 7.00 J/cm ² | 33.3 ft-lb/in ² | ISO 179/1eU |
| | 1.20 J/cm ² @Temperature -20.0 °C | 5.71 ft-lb/in ² @Temperature -4.00 °F | ISO 179/1eU |
| Charpy Impact, Notched | 0.200 J/cm ² | 0.952 ft-lb/in ² | ISO 179/1eA |

| Thermal Properties | Metric | English | Comments |
|---|---------|---------|------------------|
| Deflection Temperature at 0.46 MPa (66 psi) | 96.0 °C | 205 °F | ISO 75-2 |
| Deflection Temperature at 1.8 MPa (264 psi) | 52.0 °C | 126 °F | ISO 75-2 |
| Vicat Softening Point | 92.0 °C | 198 °F | B (50N); ISO 306 |
| | 153 °C | 307 °F | A (10N); ISO 306 |

| Processing Properties | Metric | English | Comments |
|-----------------------|----------------|---------------|-------------------|
| Melt Temperature | 230 - 270 °C | 446 - 518 °F | Polymer Mass Temp |
| Mold Temperature | 30.0 - 60.0 °C | 86.0 - 140 °F | |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China