

Ravago Manufacturing Americas Hylex® P10017FRMA Polycarbonate

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Unreinforced, Flame Retardant

Material Notes:

Polycarbonate, General Purpose, Flame Retardant Information provided by Ravago.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ravago-Manufacturing-Americas-Hylex-P10017FRMA-Polycarbonate.php

| Physical Properties | Metric | English | Comments |
|-----------------------|---|---|------------|
| Specific Gravity | 1.24 g/cc | 1.24 g/cc | ASTM D792 |
| Linear Mold Shrinkage | 0.0050 - 0.0070 cm/cm @Thickness 3.17 mm | 0.0050 - 0.0070 in/in @Thickness 0.125 in | ASTM D955 |
| Melt Flow | 17 g/10 min @Load 1.20 kg, Temperature 300 °C | 17 g/10 min @Load 2.65 lb, Temperature 572 °F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|-----------|---------------|-----------|
| Tensile Strength at Break | 60.0 MPa | 8700 psi | ASTM D638 |
| Elongation at Break | 120 % | 120 % | ASTM D638 |
| Flexural Strength | 84.8 MPa | 12300 psi | ASTM D790 |
| Flexural Modulus | 2.00 GPa | 290 ksi | ASTM D790 |
| Izod Impact, Notched | 6.41 J/cm | 12.0 ft-lb/in | ASTM D785 |

| Thermal Properties | Metric | English | Comments |
|--|---------------------------------|----------------------------------|------------|
| Deflection Temperature at 0.46 MPa (66 psi) | 143 °C | 290 °F | ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 135 °C | 275 °F | ASTM D648 |
| Vicat Softening Point | 152 °C | 305 °F | ASTM D1525 |
| Flammability, UL94 | V-0 @Thickness 1.50 mm | V-0 @Thickness 0.0591 in | |
| | V-0 - 5VA @Thickness 3.00 mm | V-0 - 5VA @Thickness 0.118 in | |

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