

Entec Hyril® GP355AS Styrene Acrylonitrile

Category : Polymer , Thermoplastic , SAN Polymer , Styrene Acrylonitrile (SAN), Transparent

Material Notes:

Available in North America Features: Copolymer Automotive Specifications: DELPHI M-9565-9 Color: Blue-TransparentForm:

PelletsProcessing Method: ExtrusionInformation provided by Entec

Order this product through the following link:

http://www.lookpolymers.com/polymer_Entec-Hyрил-GP355AS-Styrene-Acrylonitrile.php

| Physical Properties | Metric | English | Comments |
|-----------------------------|--|--|------------|
| Specific Gravity | 1.07 g/cc | 1.07 g/cc | ASTM D792 |
| Linear Mold Shrinkage, Flow | 0.0030 - 0.0070 cm/cm | 0.0030 - 0.0070 in/in | ASTM D955 |
| Melt Flow | 8.0 g/10 min @Load 3.80 kg, Temperature 230 °C | 8.0 g/10 min @Load 8.38 lb, Temperature 446 °F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|------------|----------------|-----------|
| Hardness, Rockwell R | 125 | 125 | ASTM D785 |
| Tensile Strength, Yield | 71.7 MPa | 10400 psi | ASTM D638 |
| Elongation at Break | 2.5 % | 2.5 % | ASTM D638 |
| Flexural Yield Strength | 123 MPa | 17900 psi | ASTM D790 |
| Flexural Modulus | 3.87 GPa | 561 ksi | ASTM D790 |
| Izod Impact, Notched | 0.160 J/cm | 0.300 ft-lb/in | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|--------------|----------------|--|
| CTE, linear, Parallel to Flow | 59.4 µm/m-°C | 33.0 µin/in-°F | ASTM D696 |
| Deflection Temperature at 0.46 MPa (66 psi) | 96.7 °C | 206 °F | Unannealed; ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 85.6 °C | 186 °F | Unannealed; ASTM D648 |
| Vicat Softening Point | 108 °C | 227 °F | Rate B (120°C/h), Loading 1 (10 N); ASTM D1525 |

| Optical Properties | Metric | English | Comments |
|-----------------------|--------|---------|------------|
| Haze | 0.60 % | 0.60 % | ASTM D1003 |
| Transmission, Visible | 89 % | 89 % | ASTM D1003 |

| Optical Properties | Metric | English | Comments |
|-----------------------|---|--|----------|
| Processing Properties | Metric | English | Comments |
| Zone 1 | 162 - 191 °C | 323 - 375 °F | |
| Zone 3 | 204 - 232 °C | 400 - 450 °F | |
| Die Temperature | 232 - 246 °C | 450 - 475 °F | |
| Roll Temperature | 10.0 - 87.8 °C | 50.0 - 190 °F | |
| Drying Temperature | 71.1 - 82.2 °C @Time 7200 - 14400 sec | 160 - 180 °F @Time 2.00 - 4.00 hour | |
| Moisture Content | <= 0.60 % | <= 0.60 % | |

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