

Eurostar Staramide ACF2 PA66, 10% Carbon Fiber Reinforced, Heat stabilized, Injection Molding

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 10% Carbon Fiber Filled

Material Notes:

Staramide ACF2 is a 10% Carbon Fiber Reinforced Polyamide 66, Injection Molding Resin Information provided by Eurostar.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eurostar-Staramide-ACF2-PA66-10-Carbon-Fiber-Reinforced-Heat-stabilized-Injection-Molding.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|---------------------------|----------|
| Density | 1.19 g/cc | 0.0430 lb/in ³ | ISO 1183 |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|------------------------|----------------------------|---------------------|
| Tensile Strength at Break | 135 MPa | 19600 psi | 5 mm/min; ISO 527 |
| Elongation at Break | 2.5 % | 2.5 % | 5 mm/min; ISO 527 |
| Tensile Modulus | 8.00 GPa | 1160 ksi | 1 mm/min; ISO 527 |
| Flexural Yield Strength | 230 MPa | 33400 psi | 2 mm/min; ISO 178 |
| Flexural Modulus | 7.50 GPa | 1090 ksi | 2 mm/min; ISO 178 |
| Izod Impact, Notched (ISO) | 8.00 kJ/m ² | 3.81 ft-lb/in ² | 80x10x4; ISO 180/1A |

| Thermal Properties | Metric | English | Comments |
|-----------------------|--------|---------|----------------|
| Vicat Softening Point | 255 °C | 491 °F | B/120; ISO 306 |

| Electrical Properties | Metric | English | Comments |
|-----------------------|-------------|-------------|----------------|
| Surface Resistance | 1.00e+7 ohm | 1.00e+7 ohm | ROA; IEC 60093 |

| Processing Properties | Metric | English | Comments |
|-----------------------|----------------|--------------|----------|
| Zone 1 | 260 - 280 °C | 500 - 536 °F | |
| Zone 2 | 270 - 280 °C | 518 - 536 °F | |
| Zone 3 | 270 - 290 °C | 518 - 554 °F | |
| Melt Temperature | 270 - 290 °C | 518 - 554 °F | |
| Mold Temperature | 70.0 - 90.0 °C | 158 - 194 °F | |
| Drying Temperature | 75.0 - 85.0 °C | 167 - 185 °F | |

| Processing Properties | Metric @ Time 14400 - 21600 sec | English @ Time 4.00 - 6.00 hour | Comments |
|-----------------------|---------------------------------|---------------------------------|----------|
| Moisture Content | 0.20 % | 0.20 % | |

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