

Inno-Comp INNOPOLÂ® CS 1-3810 10% Glass-Fiber-Filled Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 10% Glass Fiber Filler

Material Notes:

INNOPOLÂ® CS 1-3810 is a 10% glass-fiber-filled polypropylene homopolymer compound. This grade is available in natural and custom colored form. INNOPOLÂ® CS 1-3810 is recommended for producing injection molded products, where the required properties are high strength and stiffness. All information provided by INNO-COMP.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Inno-Comp-INNOPOL-CS-1-3810-10-Glass-Fiber-Filled-Polypropylene-Homopolymer.php

| Physical Properties | Metric | English | Comments |
|-----------------------|---|---|----------------|
| Density | 0.970 g/cc @Temperature 23.0 Â°C | 0.0350 lb/inÂ³ @Temperature 73.4 Â°F | ISO 1183 |
| Linear Mold Shrinkage | 0.0090 - 0.017 cm/cm | 0.0090 - 0.017 in/in | ISO 294-4:1997 |
| Melt Flow | 8.0 g/10 min @Load 2.16 kg, Temperature 230 Â°C | 8.0 g/10 min @Load 4.76 lb, Temperature 446 Â°F | ISO 1133 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|---|--|-------------------------|
| Tensile Strength, Yield | 40.0 MPa | 5800 psi | 50 mm/min; ISO 527-1,-2 |
| Elongation at Yield | 5.0 % | 5.0 % | 50 mm/min; ISO 527-1,-2 |
| Tensile Modulus | 2.50 GPa | 363 ksi | ISO 527-1,-2 |
| Charpy Impact, Notched | 0.230 J/cmÂ² @Temperature -20.0 Â°C | 1.09 ft-lb/inÂ² @Temperature -4.00 Â°F | ISO 179/1eA |
| | 0.350 J/cmÂ² @Temperature 23.0 Â°C | 1.67 ft-lb/inÂ² @Temperature 73.4 Â°F | ISO 179/1eA |

| Thermal Properties | Metric | English | Comments |
|--------------------|--------------------------|----------------------------|-----------|
| Flammability, UL94 | HB @Thickness 1.60 mm | HB @Thickness 0.0630 in | FMVSS 302 |

| Descriptive Properties | Value | Comments |
|------------------------|-------|-----------|
| Automotive Materials | Pass | FMVSS 302 |

Descriptive Properties

Value

Comments

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