

X-Pro HIPS 9352

High Impact Polystyrene

CTC Plastics, LLC

Message:

CTC Plastics manufactures resins up to 99% recycled making them a lower cost alternative to virgin resins, while maintaining comparable quality and process ability. Clients can purchase resins directly to meet specifications or request CTC Plastics to create a custom resin from either of our two facilities. Our resins are customized per batch depending on compound needs. Different formulas can enhance strength, durability or flexibility. With our onsite certified lab, we are able to personalize the compound to your exact needs. Recycled resins lower cost, meet your exact specifications and reduce dependency on foreign oil by over 10 million gallons per year.

Description: General purpose, High Impact Polystyrene

Applications: General Purpose , Consumer Products, Industrial, Housewares

Color: General Purpose Black

| General Information | | | |
|-------------------------------------------|-------------------------|-------------------|----------------------|
| Recycled Content | Yes | | |
| Features | Copolymer | | |
| | General Purpose | | |
| | Medium Flow | | |
| Uses | Consumer Applications | | |
| | General Purpose | | |
| | Household Goods | | |
| | Industrial Applications | | |
| Appearance | Black | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.05 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 5.0 to 12 | g/10 min | ASTM D1238, ISO 1133 |
| Molding Shrinkage - Flow (3.18 mm) | 0.50 to 0.80 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 23.4 | MPa | ASTM D638, ISO 527-2 |
| Flexural Modulus ¹ | 1720 | MPa | ASTM D790, ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 64 | J/m | ISO 180, ASTM D256 |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 65.6 to 76.7 | °C | |
| Drying Time | 1.0 to 2.0 | hr | |
| Processing (Melt) Temp | 204 to 246 | °C | |
| Mold Temperature | 15.6 to 82.2 | °C | |
| NOTE | | | |
| 1. | 1.3 mm/min | | |

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