

FHR Polypropylene AP7810-HS

Polypropylene Impact Copolymer

Flint Hills Resources, LP

Message:

FHR Polypropylene AP7810-HS is a Polypropylene Impact Copolymer (PP Impact Copolymer) product. It can be processed by injection molding and is available in North America. Typical application: Automotive.

Characteristics include:

- Copolymer
- Ductile
- Good Stiffness
- Impact Resistant

| General Information | | | |
|--|------------------------------|-------------------|-------------|
| Features | Ductile | | |
| | Good Stiffness | | |
| | Impact Copolymer | | |
| | Ultra High Impact Resistance | | |
| Uses | Automotive Applications | | |
| | Automotive Interior Parts | | |
| RoHS Compliance | Contact Manufacturer | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.900 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 10 | g/10 min | ASTM D1238 |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (R-Scale) | 97 | | ASTM D785 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 22.0 | MPa | ASTM D638 |
| Flexural Modulus - Tangent | 1070 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | No Break | | ASTM D256 |
| Instrumented Dart Impact ¹ (-30°C) | Ductile | | ASTM D3029 |
| Gardner Impact | | | ASTM D5420 |
| -30°C | 36.0 | J | |
| 23°C | 36.0 | J | |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 78.0 | °C | ASTM D648 |
| NOTE | | | |

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