

Trademark PE HDP0353

High Density Polyethylene
Trademark Plastics Corporation

Message:

Trademark PE HDP0353 is a High Density Polyethylene product. It can be processed by profile extrusion and is available in North America. Applications of Trademark PE HDP0353 include electrical/electronic applications, food contact applications, plumbing/piping/potable water and sheet.

Characteristics include:

Food Contact Acceptable

Good Processability

High Stiffness

| General Information | | | |
|--|-------------------------|-------------------|-------------|
| Features | Food Contact Acceptable | | |
| | Good Processability | | |
| | High Stiffness | | |
| Uses | Conduit | | |
| | Corrugated Pipe | | |
| | Profiles | | |
| | Sheet | | |
| Agency Ratings | AASHTO M294-06 | | |
| | FDA 21 CFR 177.1520 | | |
| Processing Method | Profile Extrusion | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.953 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 0.33 | g/10 min | ASTM D1238 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D) | 66 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 22.1 | MPa | ASTM D638 |
| Tensile Elongation (Break) | > 800 | % | ASTM D638 |
| Flexural Modulus | 1230 | MPa | ASTM D790 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 62.0 | °C | ASTM D648 |
| Additional Information | Nominal Value | Unit | Test Method |
| NCLS | > 35 | hr | ASTM D2136 |

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