



Hifax TYC 1229P

Compounded Polyolefin

Product Description

Hifax TYC 1229P is a high flow thermoplastic polyolefin designed for automotive and heavy-truck applications that require energy management combined with ductility, stiffness and impact resistance over a broad temperature range. This material exhibits excellent processability and dimensional stability.

Product Characteristics

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|--------------------------------------|--|
| Test Method used | ISO |
| Processing Methods | Injection Molding |
| Features | Good Dimensional Stability, Low Temperature Impact Resistance, Good Processability, Good Stiffness |
| Typical Customer Applications | Bumpers, Exterior Applications |

| Typical Properties | Method | Value | Unit |
|-------------------------------------|---------------|-------|-------------------|
| Physical | | | |
| Density (Method A) | ISO 1183 | 1.16 | g/cm ³ |
| Melt flow rate (MFR) (230°C/2.16Kg) | ISO 1133 | 27 | g/10 min |
| Mechanical | | | |
| Tensile Stress at Yield (23°C) | ISO 527-1, -2 | 17 | MPa |
| Flexural modulus (2 mm/min) | ISO 178 | 2500 | MPa |
| Impact | | | |
| Notched Izod Impact (23°C) | ASTM D 256 | 35 | kJ/m ² |
| Additional Information | | | |
| Mold shrinkage | ISO 294-4 | | |