

Hifax TYC 462P

Polypropylene Copolymer
LyondellBasell Industries

Message:

Hifax TYC 462P is a 30% talc reinforced, high flow, impact modified and UV stabilized polypropylene copolymer for injection moulding. It combines an excellent flowability with good processability and durability and offers excellent esthetic properties for exterior applications. The grade has been specifically designed for moulding large complex parts that require good dimensional stability.

| General Information | | | |
|---|-----------------------------|-------------------|-------------|
| Filler / Reinforcement | Talc,30% Filler by Weight | | |
| Additive | Impact Modifier | | |
| | UV Stabilizer | | |
| Features | Durable | | |
| | Good Dimensional Stability | | |
| | Good Impact Resistance | | |
| | Good Processability | | |
| | Good Stiffness | | |
| | Good UV Resistance | | |
| | High Flow | | |
| | Impact Copolymer | | |
| | Impact Modified | | |
| | Pleasing Surface Appearance | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.13 | g/cm ³ | ISO 1183/A |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 33 | g/10 min | ISO 1133 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress (Yield, 23°C) | 17.0 | MPa | ISO 527-2 |
| Flexural Modulus ¹ (23°C) | 1950 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact Strength | | | ISO 180 |
| -30°C | 3.5 | kJ/m ² | |
| 23°C | 25 | kJ/m ² | |
| Thermal | Nominal Value | Unit | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 54.0 | °C | ISO 75-2/A |
| Vicat Softening Temperature | 50.0 | °C | ISO 306/B50 |
| NOTE | | | |

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