

Technical Data Sheet

Hifax TYC 2097X BLACK



Polypropylene Compounds

Product Description

Hifax TYC 2097X black is a 15% mineral filled high impact polypropylene copolymer for injection moulding. It combines an excellent flowability with very good stiffness/ impact properties. The grade has been specifically designed for moulding of large exterior parts that requires good dimensional stability.

This grade is not intended for medical, pharmaceutical, food and drinking water applications.

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| Application | Bumpers |
| Market | Automotive |
| Processing Method | Injection Molding |
| Attribute | Good Impact Resistance; High Flow; Paintable |

| Typical Properties | Nominal Value | Units | Test Method |
|---|---------------|-------------------|---------------|
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 15 | g/10 min | ISO 1133-1 |
| Density, (23 °C) | 1,0 | g/cm ³ | ISO 1183-1/A |
| Mechanical | | | |
| Flexural Modulus, (23 °C, Tech. A) | 1500 | MPa | ISO 178/A1 |
| Tensile Stress at Yield, (23 °C) | 17 | MPa | ISO 527-1, -2 |
| Impact | | | |
| Charpy Impact Strength - Notched | | | |
| (23 °C) | 50 | kJ/m ² | ISO 179-1/1eA |
| (-40 °C) | 5 | kJ/m ² | ISO 179-1/1eA |
| Thermal | | | |
| Deflection Temperature Under Load, (0.45 MPa, Unannealed) | 91 | °C | ISO 75B-1, -2 |