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# *Hifax* TRC 280X NA Black

**Compounded Polyolefin**

## Product Description

*Hifax* TRC 280X NA Black is a high melt flow, 31% mineral filled polypropylene copolymer for injection moulding. It combines very high flowability with an excellent impact/stiffness balance and a very low CLTE. The grade has been specifically designed for moulding of large complex parts that require high impact strength as well as good stiffness. This grade is available in pellet form. It contains no UV stabilizaton, and therefore it designed to be used only for fully painted parts.

## Product Characteristics

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|---|---|
| **Test Method used** | ISO |
| **Features** | Copolymer, High Flow , Good Impact Resistance , Good Stiffness |
| **Typical Customer Applications** | Bumpers, Exterior Applications |

| Typical Properties | Method | Value | Unit |
|---|---|---|---|
| **Physical** | | | |
| Density (Method A) | ISO 1183 | 1.14 | g/cm³ |
| Melt flow rate (MFR) (230°C/2.16Kg) | ISO 1133 | 20 | g/10 min |
| **Mechanical** | | | |
| Tensile Stress at Yield | ISO 527-1, -2 | 22 | MPa |
| Flexural modulus | ISO 178 | 2800 | MPa |
| **Impact** | | | |
| Notched izod impact strength | ISO 180 | | |
| (23 °C, Type 1, Notch A) | | 10 | kJ/m² |
| (-40 °C, Type 1, Notch A) | | 2.5 | kJ/m² |
| **Thermal** | | | |
| Heat deflection temperature B (0.45 MPa) Unannealed | ISO 75B-1, -2 | 120 | °C |
| Heat deflection temperature A (1.80 MPa) Unannealed | ISO 75A-1, -2 | 65 | °C |
| **Additional Information** | | | |
| Mold shrinkage | ISO 294-4 | | |