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Technical Data Sheet

Hifax TKC 519X Black

Polypropylene Compounds



Product Description

HIFAX TKC 519X Black is a mineral reinforced, impact modified polypropylene copolymer for injection moulding. It combines very high rigidity with a low coefficient of linear thermal expansion (CLTE) and very good processability for body panel applications. The grade has been specifically designed for moulding of large complex parts that require good dimensional stability.

Application Body Panels; Exterior Automotive Applications

Market Automotive

Processing Method Injection Molding

Attribute Good Dimensional Stability; Good Impact Resistance; Good Processability; Impact

Modified; Low Shrinkage; Paintable

| | Nominal | | Test Method |
|----------------------------------|---------|----------|---------------|
| Typical Properties | Value | Units | |
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 16 | g/10 min | ISO 1133-1 |
| Density, (23 °C) | 1.16 | g/cm³ | ISO 1183-1/A |
| Mechanical | | | |
| Flexural Modulus | 2900 | MPa | ISO 178 |
| Tensile Strength, (23 °C) | 20 | MPa | ISO 527-1, -2 |
| Impact | | | |
| Notched Izod Impact Strength | | | |
| (23 °C) | 25 | kJ/m² | ISO 180/1A |
| (-30 °C) | 3.5 | kJ/m² | ISO 180/1A |