

HiPrene® MR71SE

Polypropylene

GS Caltex

Message:

HiPrene® MR71SE is a high melt flow, 15% mineral filled polypropylene compound. This product has excellent UV and scratch resistance. The grade has been specifically designed for moulding large complex parts that require high impact strength as well as good stiffness.

| General Information | | | |
|--|------------------------------|-------------------|-----------------|
| Filler / Reinforcement | Mineral,15% Filler by Weight | | |
| Features | Good Stiffness | | |
| | Good UV Resistance | | |
| | High Flow | | |
| | High Impact Resistance | | |
| | Scratch Resistant | | |
| Uses | Automotive Applications | | |
| | Automotive Bumper | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.00 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) ¹ | 40 | g/10 min | ISO 1133 |
| Ash Content (600°C) | 15 | % | ISO 3451-1A |
| Volatile Matter | 0.12 | % | Internal Method |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress | 15.0 | MPa | ISO 527-2/1A/50 |
| Nominal Tensile Strain at Break | 25 | % | ISO 527-2/1A/50 |
| Flexural Modulus | 1300 | MPa | ISO 178/B |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact Strength (23°C) | 35 | kJ/m ² | ISO 180/A |
| NOTE | | | |
| 1. | Procedure A | | |

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