

Technical Data Sheet

Icorene 4014 GRY 7448



Polypropylene Copolymer

Product Description

Icorene 4014 is a polypropylene copolymer that has been specifically developed for rotational moulding. This grade is UV stabilised and suitable for applications requiring high stiffness and high temperature resistance.

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|--------------------------|---|
| Processing Method | Rotomolding |
| Attribute | High Heat Resistance; High Stiffness; UV Resistant |
| Forms | Powder |
| Appearance | Natural Color; Unspecified Color |
| Additive | UV Stabilizer |
| Application | Automotive Under the Hood; High Temperature Applications; Tanks |

| Typical Properties | Nominal Value | Units | Test Method |
|--|---------------|-------------------|-------------|
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 15 | g/10 min | ASTM D1238 |
| Density | 0.9 | g/cm ³ | ASTM D1505 |
| Mechanical | | | |
| Tensile Strength at Yield | 24 | MPa | ASTM D638 |
| Flexural Modulus | 1150 | MPa | ASTM D790 |
| Impact | | | |
| Charpy Impact Strength - Notched, (23 °C) | 8.2 | kJ/m ² | ISO 179 |
| Thermal | | | |
| Deflection Temperature Under Load Unannealed (264 psi) | 50 | °C | ASTM D648 |
| Deflection Temperature Under Load Unannealed (66 psi) | 90 | °C | ASTM D648 |