

## Technical Data Sheet

### *Icorene* 4014 GRY 7479

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.

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