

REVOLVE® XL 400

Polyethylene
Matrix Polymers

Message:

Revolve xl400 is a rotational moulding cross-linkable polyethylene grade which combines outstanding performance with all the benefits of a high MFI resin. This grade is especially suitable for demanding applications such as diesel tanks and IBCs due to the superb chemical resistance. It is advisable to consult the MSDS before it is used.

| General Information | | | |
|--|--------------------------|-------------------|--------------|
| Features | Good Chemical Resistance | | |
| | Good Impact Resistance | | |
| | Good Moldability | | |
| | High Hardness | | |
| | High Stiffness | | |
| Uses | Fuel Tanks | | |
| | Tanks | | |
| Appearance | Natural Color | | |
| Forms | Powder | | |
| Processing Method | Rotational Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.945 | g/cm ³ | ISO 1183 |
| Environmental Stress-Cracking Resistance | | | ASTM D1693 |
| 10% Igepal | > 1000 | hr | |
| 100% Igepal | > 1000 | hr | |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress (Yield) | 21.0 | MPa | ISO 527-2/50 |
| Flexural Modulus ¹ | 850 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| ARM Impact (-40°C, 3.00 mm) | 140 | J | |
| Thermal | Nominal Value | Unit | Test Method |
| Heat Deflection Temperature (0.45 MPa, Unannealed) | 60.0 | °C | ISO 75-2/B |
| NOTE | | | |
| 1. | 1.3 mm/min | | |

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