

REVOLVE® N-132

Low Density Polyethylene

Matrix Polymers

Message:

Revolve N-132 is a rotational moulding low density octene polyethylene grade which has been designed to provide excellent toughness and ESCR without compromising impact strength and mouldability. The grade is UV8 stabilised.

| General Information | | | |
|--|----------------------------------|-------------------|--------------|
| Additive | Long Term UV-8 Stabilizer | | |
| Features | Good Impact Resistance | | |
| | Good Toughness | | |
| | High ESCR (Stress Crack Resist.) | | |
| Appearance | Black | | |
| | Colors Available | | |
| | Natural Color | | |
| Forms | Powder | | |
| Processing Method | Rotational Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.921 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) | 6.0 | g/10 min | ISO 1133 |
| Environmental Stress-Cracking Resistance | | | ASTM D1693 |
| 10% Igepal | > 1000 | hr | |
| 100% Igepal | > 1000 | hr | |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress (Yield) | 8.25 | MPa | ISO 527-2/50 |
| Flexural Modulus ¹ | 250 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| ARM Impact (-40°C, 3.00 mm) | 95.0 | J | |
| Thermal | Nominal Value | Unit | Test Method |
| Heat Deflection Temperature (0.45 MPa, Unannealed) | 45.0 | °C | ISO 75-2/B |
| NOTE | | | |
| 1. | 1.3 mm/min | | |

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