

Hanwha Total PE R908P

High Density Polyethylene

HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

R908P resin is in powder form and is a linear low density polyethylene designed for rotational molding application.

| General Information | | | |
|--|----------------------------------|-------------------|-------------|
| Additive | UV Stabilizer | | |
| Features | Good Chemical Resistance | | |
| | Good Flow | | |
| | Good Processability | | |
| | Good UV Resistance | | |
| | High ESCR (Stress Crack Resist.) | | |
| | High Impact Resistance | | |
| | High Rigidity | | |
| | Low Density | | |
| Uses | Oil Resistant | | |
| | Outdoor Applications | | |
| | Tanks | | |
| Agency Ratings | Toys | | |
| | FDA 21 CFR 177.1520 | | |
| | Powder | | |
| Forms | Rotational Molding | | |
| Processing Method | | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.940 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 3.4 | g/10 min | ASTM D1238 |
| Environmental Stress-Cracking Resistance (F50) | 1000 | hr | ASTM D1693 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D) | 63 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength | | | ASTM D638 |
| Yield | 19.0 | MPa | |
| Break | 22.0 | MPa | |
| Tensile Elongation (Break) | 1000 | % | ASTM D638 |
| Apparent Bending Modulus | 770 | MPa | ASTM D747 |
| Impact | Nominal Value | Unit | Test Method |


| | | | |
|-----------------------------|------------------|------|-------------------------|
| Notched Izod Impact | 390 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Vicat Softening Temperature | 118 | °C | ASTM D1525 ¹ |
| NOTE | | | |
| 1. | Loading 1 (10 N) | | |

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