

MDPE

MDPE Resin for Rotational Molding

▶ R901U

● Description

R901U is medium density linear polyethylene resins for rotational molding applications. This grade is designed to be processed in conventional rotational molding equipment.

● Characteristics

- ▶ Good Processability
- ▶ High impact strength
- ▶ Long term UV stability

● Applications

- ▶ Tanks for water and chemicals(Small, middle, large size)
- ▶ Bins for storage and transport(Small, middle, large size)
- ▶ Domestic or Industrial components
- ▶ Toys
- ▶ Leisure(Canoe, Kayak)

● Physical properties

| Properties | Test Method | Units | R901U |
|-----------------------------|-------------------------------------|---------------------|-------|
| MI, 2.16kg@190 °C | ASTM D1238 | g/10min | 5.0 |
| Density | ASTM D1505 | g/cm ³ | 0.936 |
| Tensile stress at break | ASTM D638 | kgf/cm ² | 210 |
| Elongation at Break | | % | >500 |
| Flexural modulus | ASTM D790 | kgf/cm ² | 6,200 |
| Izod impact strength(23 °C) | ASTM D256 | kg ·cm/cm | 50 |
| Vicat softening point | ASTM D1525 | °C | 115 |
| Brittleness temperature | ASTM D746 | °C | < -80 |
| Shore hardness | ASTM D2240 | D scale | 54 |
| ESCR (F50) | ASTM D1693 (A) 50°C, 100% Igepal | hrs | >300 |
| Meets FDA Requirements | 21 CFR 177.1520 | - | Yes |
| UV-Stabilized | | | Yes |

* Data shown above are representative values for reference purposes only, and not to be construed as specifications.

● Other Information

The information in this document can be used for reference only, not to be construed as specification. Customers are responsible for determine whether our product and information is suitable for their particular purpose and for the compliance with related law.

HANWHA TOTAL assumes no obligation or liability for the information in this document.

● Contacts

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