

MDPE

MDPE Resin for Rotational Molding

► R904U

● Description

R904U 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	R904U
MI, 2.16kg@190 °C	ASTM D1238	g/10min	4.0
Density	ASTM D1505	g/cm ³	0.939
Tensile stress at break	ASTM D638	kgf/cm ²	230
Elongation at Break		%	>500
Flexural modulus	ASTM D790	kgf/cm ²	7,000
Izod impact strength(23 °C)	ASTM D256	kg ·cm/cm	50
Vicat softening point	ASTM D1525	°C	120
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

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

● Contacts

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