

MDPE

MDPE Resin for Rotational Molding

▶ R906U

● Description

R906U is medium density linear polyethylene designed for rotational molding of products for highly complicated products. This ease of flow makes it possible to mold in complex molds with good filling of corners and narrow parts and good inside surface finish.

● Characteristics

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

● Applications

- ▶ Industrial components
- ▶ Toy and Container
- ▶ Complex custom parts



● Physical properties

Properties	Test Method	Units	R906U
MI, 2.16kg@190 °C	ASTM D1238	g/10min	6.0
Density	ASTM D1505	g/cm ³	0.936
Tensile stress at break	ASTM D638	kgf/cm ²	200
Elongation at Break		%	>500
Flexural modulus	ASTM D790	kgf/cm ²	6,000
Izod impact strength(23 °C)	ASTM D256	kg ·cm/cm	50
Vicat softening point	ASTM D1525	°C	114
Brittleness temperature	ASTM D746	°C	< -80
Shore hardness	ASTM D2240	D scale	54
ESCR (F50)	ASTM D1693 (A) 50 °C, 100% Igepal	hrs	>200
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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