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 Oil Resistant		
Uses	Outdoor Applications Tanks Toys		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Powder		
Processing Method	Rotational Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.940	g/cm³	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)		

Recommended distributors for this material

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