

Hanwha Total PE R906P

High Density Polyethylene

HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

R906P 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 Surface Finish		
	Good UV Resistance		
	High Impact Resistance		
	Low Density		
Uses	Containers		
	Outdoor Applications		
	Toys		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Powder		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.936	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	500	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	62		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	16.0	MPa	
Break	20.0	MPa	
Tensile Elongation (Break)	950	%	ASTM D638
Apparent Bending Modulus	600	MPa	ASTM D747
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	510	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Vicat Softening Temperature	112	°C	ASTM D1525 ¹
NOTE			

1. Loading 1 (10 N)

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