Petro Rabigh PE B2555

High Density Polyethylene

Rabigh Refining & Petrochemical Co.

Message:

B2555 is a medium molecular weight high density polyethylene resin intended for blow molding. Blow molded parts made from this resin exhibits high stiffness, good impact strength and good ESCR.
Applications
Small & medium size containers for household and industrial chemical

General Information			
Features	Good Impact Resistance		
	High ESCR (Stress Crack Resist.)		
	High Stiffness		
	Homopolymer		
	Medium Molecular Weight		
Uses	Blow Molding Applications		
	Containers		
	Industrial Containers		
Processing Method	Blow Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.954	g/cm^3	ASTM D792A
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.25	g/10 min	
190°C/21.6 kg	1.2	g/10 min	
Environmental Stress-Cracking Resistance (10% Igepal, F50)	63.0	hr	ASTM D1693
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	68		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D638
Yield	27.0	MPa	
Break	34.0	MPa	
Tensile Elongation (Break)	740	%	ASTM D638
Flexural Modulus	1200	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact Strength			ASTM D256
-30°C	5.0	kJ/m^2	
23°C	10	kJ/m^2	
Tensile Impact Strength	200	kJ/m^2	ASTM D1822

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	127	°C	ASTM D1525 [1]
Extrusion	Nominal Value	Unit	
Melt Temperature	160 to 200	°C	
NOTE			
1.	Loading 1 (10 N)		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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