

Hanwha Total PE B220A

High Density Polyethylene

HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

B220A is a high-density polyethylene resin for blow molded bottles. This grade can be processed in conventional blow molding equipment.

General Information			
UL YellowCard	E140331-572235		
Features	Detergent Resistant		
	Food Contact Acceptable		
	Good Organoleptic Properties		
	Good Processability		
	Good Surface Finish		
	High Density		
	High Tensile Strength		
	Ultra High Impact Resistance		
Uses	Blow Molding Applications		
	Bottles		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.959	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.35	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	500	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	55		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	27.5	MPa	
Break	31.4	MPa	
Tensile Elongation (Break)	500	%	ASTM D638
Apparent Bending Modulus	1080	MPa	ASTM D747
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	120	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-80.0	°C	ASTM D746
Vicat Softening Temperature	123	°C	ASTM D1525 ¹
Melting Temperature	132	°C	
Flammability	Nominal Value		Test Method
Flame Rating (1.59 mm)	HB		UL 94
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	140 to 170	°C	
Cylinder Zone 2 Temp.	140 to 170	°C	
Cylinder Zone 3 Temp.	140 to 170	°C	
Cylinder Zone 4 Temp.	140 to 170	°C	
Cylinder Zone 5 Temp.	140 to 170	°C	
Adapter Temperature	160 to 200	°C	
Die Temperature	160 to 200	°C	
NOTE			
1.	Loading 1 (10 N)		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

