

InnoPlus HD4200B

High Density Polyethylene

PTT Global Chemical Public Company Limited

Message:

InnoPlus HD4200B is high density polyethylene blow molding grade which is characterized by high rigidity, good appearance and also have special feature of excellent processability. It is suitable for high productivity or high speed blow molding machine.

General Information			
Features	Antistatic		
	Food Contact Acceptable		
	Good Processability		
	High Rigidity		
Uses	Bottles		
	Food Packaging		
	Personal Care		
Agency Ratings	FDA 21 CFR 177.1520		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.966	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.67	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (25% Igepal, F50)	25.0	hr	ASTM D1693B
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	65		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	30.4	MPa	
Break	22.6	MPa	
Tensile Elongation (Break)	> 1000	%	ASTM D638
Apparent Bending Modulus	1180	MPa	ASTM D747
Flexural Modulus	1770	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ¹	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	125	°C	ASTM D1525 ²
Peak Melting Temperature	132	°C	ASTM D3418

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	160 to 180	°C
Cylinder Zone 2 Temp.	160 to 180	°C
Cylinder Zone 3 Temp.	160 to 180	°C
Cylinder Zone 4 Temp.	160 to 180	°C
Cylinder Zone 5 Temp.	160 to 180	°C
Die Temperature	180 to 200	°C

NOTE

1. Partial Break
2. Rate A (50°C/h), 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

