

InnoPlus HD2408J

High Density Polyethylene

PTT Global Chemical Public Company Limited

Message:

InnoPlus HD2408J is high density polyethylene grade specially designed for high UV resistant requirement. It also exhibits high impact strength and good weathering resistance, suitable for outdoor applications.
Typical Application: Crates, Pallets, Garbage bins, Industrial tubes, Fruit baskets, outdoor applications.

General Information			
Features	Food Contact Acceptable		
	Good Impact Resistance		
	Good UV Resistance		
	Good Weather Resistance		
Uses	Crates		
	Industrial Applications		
	Outdoor Applications		
	Pallets		
	Tubing		
	Waste Containers		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.964	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.5	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (25% Igepal, F50)	2.00	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	11.8	MPa	
Tensile Elongation (Break)	750	%	ASTM D638
Apparent Bending Modulus	1080	MPa	ASTM D747
Flexural Modulus	1570	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ¹	29	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	124	°C	ASTM D1525 ²
Melting Temperature	131	°C	ASTM D3418
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	170 to 200	°C	
Cylinder Zone 2 Temp.	170 to 200	°C	
Cylinder Zone 3 Temp.	170 to 200	°C	
Cylinder Zone 4 Temp.	170 to 200	°C	
Cylinder Zone 5 Temp.	170 to 200	°C	
Die Temperature	180 to 195	°C	
NOTE			
1.	Complete 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

