

InnoPlus HD1600JP

High Density Polyethylene

PTT Global Chemical Public Company Limited

Message:

InnoPlus HD1600JP and HD2200JP are high density polyethylene which can be processed in either injection or compression molding. Both grades have excellent organoleptic properties which prevent unpleasant odor and taste from cap or closure to transfer to water.

General Information			
Features	Food Contact Acceptable		
	Good Organoleptic Properties		
	Low Odor Transfer		
	Low Taste Transfer		
Uses	Caps		
Agency Ratings	FDA 21 CFR 177.1520		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Compression Molding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.958	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	12	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (25% Igepal, F50)	5.00	hr	ASTM D1693B
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	64		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	28.4	MPa	
Break	19.6	MPa	
Tensile Elongation (Break)	230	%	ASTM D638
Apparent Bending Modulus	892	MPa	ASTM D747
Flexural Modulus	1320	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	118	°C	ASTM D1525 ²
Peak Melting Temperature	129	°C	ASTM D3418
Additional Information	Nominal Value	Unit	

Compression Molding Temperature	140 to 165	°C
Injection	Nominal Value	Unit
Rear Temperature	160 to 190	°C
Middle Temperature	160 to 190	°C
Front Temperature	160 to 190	°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



WECHAT