

InnoPlus HD2218J

High Density Polyethylene

PTT Global Chemical Public Company Limited

Message:

InnoPlus HD2218J is high density polyethylene (HDPE) grade specially designed for the injection molding with offers the combination of easy processability and excellent mechanical properties. This grade is UV stabilized for good weathering resistance, suitable for outdoor applications. Typical Application : Crate, Pallet, Garbage bin, Outdoor applications

General Information			
Additive	UV stabilizer		
Features	High density		
	Good UV resistance		
	Workability, good		
	Good weather resistance		
	Compliance of Food Exposure		
Uses	Pallets		
	Waste container		
	Outdoor application		
	Loading box		
Agency Ratings	FDA 21 CFR 177.1520		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.954	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (25% Igepal, F50)	6.00	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	24.5	MPa	ASTM D638
Fracture	27.5	MPa	ASTM D638
Tensile Elongation (Break)	> 1000	%	ASTM D638
Apparent Bending Modulus	814	MPa	ASTM D747
Flexural Modulus	1170	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact ¹	49	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	123	°C	ASTM D1525 ²
Peak Melting Temperature	129	°C	ASTM D3418
Injection	Nominal Value	Unit	
Rear Temperature	170 - 200	°C	
Middle Temperature	170 - 200	°C	
Front Temperature	170 - 200	°C	
Nozzle Temperature	185 - 205	°C	
NOTE			
1.	Complete break		
2.	速率 A (50°C/h), 压力 1 (10N)		

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

