

TAISOX 8230

High Density Polyethylene
Formosa Plastics Corporation

Message:

TAISOX 8230 is a high density polyethylene material. This product is available in North America, Europe or Asia Pacific region. The processing method is injection molding.

The main features of TAISOX 8230 are:

- anti-warping
- Rapid Prototyping Cycle

Typical application areas include:

- container
- home apps
- bottle

General Information			
Features	High density		
	Bending resistance		
	Fast molding cycle		
	Good liquidity		
Uses	Thin wall container		
	Household goods		
	Bottle		
	Food container		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.952	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	21	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	67		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	26.5	MPa	ASTM D638
Fracture	14.7	MPa	ASTM D638
Tensile Elongation (Break)	1000	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength	88.3	kJ/m ²	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-70.0	°C	ASTM D746
Vicat Softening Temperature	129	°C	ASTM D1525

Melting Temperature	131	°C
Additional Information		
Notched Izod Impact Strength, ASTM D256: 4 kg-cm/cm ²		
Injection	Nominal Value	Unit
Processing (Melt) Temp	170 - 190	°C

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