

TAISOX 7501

High Density Polyethylene
Formosa Plastics Corporation

Message:

TAISOX 7501 is a high density polyethylene material. This product is available in North America, Europe or Asia Pacific.
The main features of TAI SOX 7501 are:
High resistance to environmental stress fracture (ESCR)
Hard
Good stiffness
Impact resistance
chemical resistance
Typical application areas include:
container
Jars

General Information			
Features	Rigidity, high		
	Rigid, good		
	High ESCR (Stress Cracking Resistance)		
	High density		
	Impact resistance, high		
	Good chemical resistance		
Uses	Industrial container		
	Drum		
	Water tank		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	0.953	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.020	g/10 min	ASTM D1238
190°C/21.6 kg	3.0	g/10 min	ASTM D1238
190°C/5.0 kg	0.10	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance	1000	hr	ASTM D1693
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	37.3	MPa	ASTM D638
Tensile Elongation (Break)	800	%	ASTM D638
Impact	Nominal Value	Unit	Test Method

Tensile Impact Strength	981	kJ/m ²	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-70.0	°C	ASTM D746
Vicat Softening Temperature	127	°C	ASTM D1525
Melting Temperature	134	°C	
Additional Information			
Notched Izod Impact Strength, ASTM D256: No Break kg-cm/cm ² Die Swell Ratio, FPC Method: 1.75Pich-off thickness, FPC Method: Excellent			
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 - 230	°C	

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Recommended distributors for this material

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