

TAISOX 9001

High Density Polyethylene
Formosa Plastics Corporation

Message:

TAISOX 9001 is a high density polyethylene material. This product is available in North America, Europe or Asia Pacific.
The main features of TAI SOX 9001 are:
high strength
Good toughness
Typical application areas include:
bag/lining
Movie
Water pipes/pipes/drinking water

General Information			
Features	Ultra high toughness		
	High density		
	High strength		
Uses	Films		
	Bags		
	Piping system		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	0.950	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.050	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance	1000	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	65		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	25.5	MPa	ASTM D638
Fracture	37.3	MPa	ASTM D638
Tensile Elongation (Break)	800	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength	785	kJ/m ²	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-70.0	°C	ASTM D746
Vicat Softening Temperature	123	°C	ASTM D1525
Melting Temperature	130	°C	
Additional Information			
Notched Izod Impact Strength, ASTM D256: 22 kg-cm/cm ² Blow Up Ratio: 3 to 6			

Injection	Nominal Value	Unit
Processing (Melt) Temp	180 - 220	°C

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Recommended distributors for this material

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