

TAISOX 8010

High Density Polyethylene
Formosa Plastics Corporation

Message:

TAISOX 8010 is a high density polyethylene material. This product is available in North America, Europe or Asia Pacific. The processing method is extrusion.

The main features of TAISOX 8010 are:

- Good processability
- Impact resistance

Typical application areas include:

- bag/lining
- sheet
- Sling/Rope
- Foam
- Yarn

General Information			
Features	High density		
	Impact resistance, high		
	Workability, good		
	Good stretchability		
Uses	Bags		
	Monochrome high toughness line		
	Foam		
	Sheet		
	Rope		
	Web		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.956	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	69		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	28.9	MPa	ASTM D638
Fracture	38.2	MPa	ASTM D638
Tensile Elongation (Break)	1000	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength	343	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: 50 kg-cm/cm²Injection Melt Temperature Yarn: 190 to 210°CInjection Melt Temperature Monofilament: 260 to 280°C

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