

TAISOX 8001

High Density Polyethylene
Formosa Plastics Corporation

Message:

TAISOX 8001 is a high density polyethylene material. This product is available in North America, Europe or Asia Pacific region. The processing method is: pipeline extrusion molding or extrusion.
The main features of TAISOX 8001 are:
High resistance to environmental stress fracture (ESCR)
Creep resistance
chemical resistance
The typical application fields of TAISOX 8001 are: water pipes/pipes/drinking water

General Information			
Features	High ESCR (Stress Cracking Resistance)		
	High density		
	Good creep resistance		
	Good chemical resistance		
Uses	Piping system		
Forms	Particle		
Processing Method	Pipeline extrusion molding		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.948	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.050	g/10 min	ASTM D1238
190°C/21.6 kg	7.0	g/10 min	ASTM D1238
190°C/5.0 kg	0.24	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance	1000	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	64		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	23.5	MPa	ASTM D638
Fracture	35.3	MPa	ASTM D638
Tensile Elongation (Break)	850	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength	735	kJ/m ²	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-70.0	°C	ASTM D746
Vicat Softening Temperature	122	°C	ASTM D1525

Melting Temperature	129	°C
Additional Information		
Notched Izod Impact Strength, ASTM D256: 30 kg-cm/cm ²		
Injection	Nominal Value	Unit
Processing (Melt) Temp	180 - 220	°C

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

