

TAISOX 9001

High Density Polyethylene

<https://yifuhuiplastic.com/>

Formosa Plastics Corporation

TechnicalData

Product Description

TAISOX 9001 is a High Density Polyethylene material. It is available in Asia Pacific, Europe, or North America.

Important attributes of TAISOX 9001 are:

- HighStrength
- High Toughness

Typical applications include:

- Bags/Liners
- Film
- Plumbing/Piping/PotableWater

General

MaterialStatus	•Commercial:Active		
SearchforULYellowCard	•FormosaPlasticsCorporation		
Availability	•AsiaPacific	•Europe	• North America
Features	•HighDensity	•HighStrength	• Ultra High Toughness
Uses	•Bags	•Film	• Piping
Forms	•Pellets		

Physical	NominalValueUnit	TestMethod
Density	0.950g/cm ³	ASTM D1505
MeltMass-FlowRate(MFR)(190°C/2.16kg)	0.050g/10min	ASTM D1238
EnvironmentalStress-CrackingResistance	1000hr	ASTM D1693

Mechanical	NominalValueUnit	TestMethod
TensileStrength		ASTM D638
Yield	25.5MPa	
Break	37.3MPa	
TensileElongation(Break)	800%	ASTM D638

Impact	NominalValueUnit	TestMethod
TensileImpactStrength	785kJ/m ²	ASTM D1822

Hardness	NominalValueUnit	TestMethod
DurometerHardness(ShoreD)	65	ASTM D2240

Thermal	NominalValueUnit	TestMethod
BrittlenessTemperature	-70.0°C	ASTM D746
VicatSofteningTemperature	123°C	ASTM D1525
MeltingTemperature	130°C	

Additional Information

Notched Izod Impact Strength, ASTM D256: 22 kg-cm/cm²
Blow Up Ratio: 3 to 6

Injection	NominalValueUnit
Processing(Melt)Temp	180to220°C

Notes

¹ Typical properties: these are not to be construed as specifications.

Distributor

Please contact the supplier to find a distributor for TAISOX 9001