

HIDEN® HT306

High Density Polyethylene

YUHWHA Korea Petrochemical Ind. Co., Ltd.

Message:

HIDEN® HT306 is a High Density Polyethylene material. It is available in Asia Pacific.

Typical applications include:

- Adhesives/Tapes
- Fabrics/Fibers
- Food Contact Applications
- Straps/Ropes
- Yarn

General Information			
Features	Good Stretchability		
Uses	Fibers		
	Netting		
	Rope		
	Tape		
	Yarn		
Agency Ratings	FDA Food Contact, Unspecified Rating		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.60	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.5 to 2.5	%	Internal Method
Water Absorption (Equilibrium)	< 0.010	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	54		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	29.4	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	ASTM D638
Flexural Modulus	1080	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	> 490	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	72.0	°C	ASTM D648
Brittleness Temperature	< -70.0	°C	ASTM D746
Vicat Softening Temperature	125	°C	ASTM D1525
Peak Melting Temperature	135	°C	ASTM D3418

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Recommended distributors for this material

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