HIDEN® F500

High Density Polyethylene

YUHWA Korea Petrochemical Ind. Co., Ltd.

Message:

HIDEN® F500 is a High Density Polyethylene material. It is available in Asia Pacific. Primary attribute of HIDEN® F500: High Stiffness.
Typical applications include:
Bags/Liners
Film
Food Contact Applications

General Information			
Features	High Stiffness		
Uses	Bags Film General Purpose		
Agency Ratings	FDA Food Contact, Unspecified Rating		
Forms	Pellets		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.956	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.070	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.5 to 2.5	%	Internal Method
Water Absorption (Equilibrium)	< 0.010	%	ASTM D570
Environmental Stress-Cracking Resistance [1]	> 1000	hr	ASTM D1693B
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	46		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	36.3	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	ASTM D638
Flexural Modulus	981	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	> 50	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	70.0	°C	ASTM D648
Brittleness Temperature	< -70.0	°C	ASTM D746
Vicat Softening Temperature	123	°C	ASTM D1525
Peak Melting Temperature	134	°C	ASTM D3418
NOTE			
1.	10%		

Recommended distributors for this material

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