

# HIDEN® F500

High Density Polyethylene

YUHWAA 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/cm <sup>3</sup>	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 <sup>1</sup>	> 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%		

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

