

KOREA PETROCHEMICAL IND.CO.,LTD

HDPE **F500**
 print
 close

Classification : HDPE Film grade
 Attributes : High Stiffness, Low Die-Deposit
 Applications : Shopping Bags, General Purpose, Industrial Uses

Documents & Certificates

Spec Sheet :  [kpic_spec_F500_en.pdf](#)
 MSDS :  [kpic_msds_F500_en\(1\).pdf](#)
 FDA :  [FDA Request](#)

Properties

ITEM (TERM)	VALUE	UNIT	TEST METHOD
Melt Index	0.07	g/10min.	ASTM D1238
Density	0.956	g/cm ³	ASTM D1505
Mold Shrinkage	1.5~2.5	%	KPIC Method
Water Absorption	<0.01	%	ASTM D570
Tensile Strength at Yield	370	kgf/cm ²	ASTM D638
Elongation at Break	>500	%	ASTM D638
Flexural Modulus	10,000	kgf/cm ²	ASTM D790
Hardness (Rockwell)	46	R Scale	ASTM D785
Impact Strength (Izod with Notch)	>50	kgf cm/cm	ASTM D256
Environment Stress Cracking Resistance	>1,000	hr.Cond.B.10%	ASTM D1693
Melting Point	134	°C	ASTM D3418
Softening Point (Vicat)	123	°C	ASTM D1525
Heat Deflection Temperature	70	°C	ASTM D648
Brittleness Temperature	< -70	°C	ASTM D746
The values given above should only be used as a guide and should not be considered as a specification or guarantee. The values are dependent on part geometry and fabrication conditions.			