


KOREA PETROCHEMICAL IND.CO.,LTD

HCPP Homo Polymer **HF5103**
 print
 close

Classification : HCPP Homo Polymer Film (OPP) grade
 Attributes : OPP, High Stiffness, Heat Resistance, Low Heat Shrinkability, Good Printing Properties
 Applications : OPP for Printing

Documents & Certificates

Spec Sheet :  [kpic_spec_HF5103_en.pdf](#)
 MSDS :  [kpic_msds_HF5103_en\(1\).pdf](#)
 FDA :  [FDA Request](#)

Properties

ITEM (TERM)	VALUE	UNIT	TEST METHOD
Melt Index	3	g/10min.	ASTM D1238
Density	0.91	g/cm ³	ASTM D1505
Mold Shrinkage	1.0	%	KPIC Method
Water Absorption	<0.01	%	ASTM D570
Tensile Strength at Yield	390	kg _f /cm ²	ASTM D638
Elongation at Break	>500	%	ASTM D638
Flexural Modulus	18,500	kg _f /cm ²	ASTM D790
Hardness (Rockwell)	100	R Scale	ASTM D785
Impact Strength (Izod with Notch)	3	kg _f cm/cm	ASTM D256
Melting Point	167	°C	ASTM D3418
Softening Point (Vicat)	158	°C	ASTM D1525
Heat Deflection Temperature	125	°C	ASTM D648
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.			