

KOREA PETROCHEMICAL IND.CO.,LTD

General Homo PP **5012**
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Classification : General Homo PP Yarn grade
Attributes : High Tenacity, General Purpose
Applications : Woven Bags, Ropes, Bands, Packaging Tapes

Documents & Certificates

Spec Sheet :  [kpic_spec_5012_en\(1\).pdf](#)
MSDS :  [kpic_msds_5012_en\(2\).pdf](#)
FDA :  [FDA Request](#)

Properties

ITEM (TERM)	VALUE	UNIT	TEST METHOD
Melt Index	2	g/10min.	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Mold Shrinkage	1.0~2.0	%	KPIC Method
Water Absorption	<0.01	%	ASTM D570
Tensile Strength at Yield	360	kg _f /cm ²	ASTM D638
Elongation at Break	>500	%	ASTM D638
Flexural Modulus	15,000	kg _f /cm ²	ASTM D790
Hardness (Rockwell)	96	R Scale	ASTM D785
Impact Strength (Izod with Notch)	4	kg _f cm/cm	ASTM D256
Melting Point	162	°C	ASTM D3418
Softening Point (Vicat)	152	°C	ASTM D1525
Heat Deflection Temperature	105	°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.			