

KOREA PETROCHEMICAL IND.CO.,LTD

General Homo PP **4017**
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General Homo PP products for injection molding are made through the Slurry method and it is fit for home appliances, agricultural materials and industrial equipment parts.

Classification : General Homo PP Injection grade

Attributes : General Purpose

Applications : Home Appliances, Agricultural Materials, Industrial Equipment Parts

Documents & Certificates

Spec Sheet :  [kpic_spec_4017_en.pdf](#)

MSDS :  [kpic_msds_4017_en\(2\).pdf](#)

FDA :  [FDA Request](#)

UL :  [KPIC_UL.pdf](#)

RoHS :  [kpic_RoHS_4017_20121105.PDF](#)

Properties

ITEM (TERM)	VALUE	UNIT	TEST METHOD
Melt Index	8.5	g/10min.	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Mold Shrinkage	1.0~2.0	%	KPIC Method
Tensile Strength at Yield	360	kg _f /cm ²	ASTM D638
Elongation at Break	>500	%	ASTM D638
Flexural Modulus	17,000	kg _f /cm ²	ASTM D790
Hardness (Rockwell)	100	R Scale	ASTM D785
Impact Strength (Izod with Notch)	4	kg _f cm/cm	ASTM D256
Melting Point	165	°C	ASTM D3418
Softening Point (Vicat)	153	°C	ASTM D1525
Heat Deflection Temperature	110	°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.			