

 KOREA PETROCHEMICAL IND.CO.,LTD

General Homo PP 4018

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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 : Good Transparency

Applications : Airtight Containers, Stationery

Documents & Certificates

Spec Sheet :  kpic_spec_4018_en(1).pdf

MSDS :  kpic_msds_4018_en(2).pdf

FDA :  FDA Request

RoHS :  kpic_RoHS_4018_20110503.PDF

Properties

ITEM (TERM)	VALUE	UNIT	TEST METHOD
Melt Index	19	g/10min.	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Mold Shrinkage	1.0~2.0	%	KPIC Method
Tensile Strength at Yield	420	kgf/cm ²	ASTM D638
Elongation at Break	>500	%	ASTM D638
Flexural Modulus	20,000	kgf/cm ²	ASTM D790
Hardness (Rockwell)	109	R Scale	ASTM D785
Impact Strength (Izod with Notch)	4	kgf cm/cm	ASTM D256
Melting Point	167	°C	ASTM D3418
Softening Point (Vicat)	155	°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.			