


KOREA PETROCHEMICAL IND.CO.,LTD

HCPP Homo Polymer **HJ4012**
 print
 close

Classification : HCPP Homo Polymer Injection grade
Attributes : Long Term Heat Resistance, High Stiffness, Processability, Scratch Resistance, Tapping Impact Strength, UL746B, RTI 125°C, All Color 94HB
Applications : Automobile Parts, Electric and Electronic Product Parts, Household Goods , Home Appliance Housings

Documents & Certificates

Spec Sheet :  [kpic_spec_HJ4012_en.pdf](#)
MSDS :  [kpic_msds_HJ4012_en\(1\).pdf](#)
FDA :  [FDA Request](#)
UL :  [KPIC_UL.pdf](#)
RoHS :  [kpic_RoHS_HJ4012_20130703.pdf](#)

Properties

ITEM (TERM)	VALUE	UNIT	TEST METHOD
Melt Index	14	g/10min.	ASTM D1238
Density	0.91	g/cm ³	ASTM D1505
Mold Shrinkage	1.4~1.8	%	KPIC Method
Tensile Strength at Yield	420	kg _f /cm ²	ASTM D638
Elongation at Break	50	%	ASTM D638
Flexural Modulus	21,000	kg _f /cm ²	ASTM D790
Hardness (Rockwell)	110	R Scale	ASTM D785
Impact Strength (Izod with Notch)	4	kg _f cm/cm	ASTM D256
Melting Point	168	°C	ASTM D3418
Softening Point (Vicat)	156	°C	ASTM D1525
Heat Deflection Temperature	140	°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.			