

 KOREA PETROCHEMICAL IND.CO.,LTDHDPE **M680** print  close

Classification : HDPE Injection grade
Attributes : Impact Resistance, High Flowability
Applications : Silicon Cartridges, Picnic Tables, Bottle Caps

Documents & Certificates

Spec Sheet :  [kpic_spec_M680_en\(1\).pdf](#)
MSDS :  [kpic_msds_M680_en.pdf](#)
FDA :  [FDA Request](#)
RoHS :  [kpic_RoHS_M680_20121105.PDF](#)

Properties

ITEM (TERM)	VALUE	UNIT	TEST METHOD
Melt Index	6	g/10min.	ASTM D1238
Density	0.958	g/cm ³	ASTM D1505
Mold Shrinkage	1.5~2.5	%	KPIC Method
Tensile Strength at Yield	280	kg _f /cm ²	ASTM D638
Elongation at Break	>500	%	ASTM D638
Flexural Modulus	12,000	kg _f /cm ²	ASTM D790
Hardness (Rockwell)	55	R Scale	ASTM D785
Impact Strength (Izod with Notch)	7	kg _f cm/cm	ASTM D256
Melting Point	135	°C	ASTM D3418
Softening Point (Vicat)	124	°C	ASTM D1525
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.			