

 KOREA PETROCHEMICAL IND.CO.,LTD

HDPE B502

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Classification : HDPE Blow grade
Attributes : Excellent Processability, Good Surface Property
Applications : Mid&Large Containers (Industrial parts), Traffic Signs, Toys

 Documents & Certificates

Spec Sheet :  [kpic_spec_B502_en\(1\).pdf](#)
MSDS :  [kpic_msds_B502_en.pdf](#)
FDA :  [FDA Request](#)
RoHS :  [KPIC_RoHS_B502_20060410.pdf](#)

 Properties

ITEM (TERM)	VALUE	UNIT	TEST METHOD
Melt Index	0.28	g/10min.	ASTM D1238
Density	0.958	g/cm ³	ASTM D1505
Mold Shrinkage	1.5~2.5	%	KPIC Method
Water Absorption	<0.01	%	ASTM D570
Tensile Strength at Yield	320	kgf/cm ²	ASTM D638
Elongation at Break	>500	%	ASTM D638
Flexural Modulus	12,000	kgf/cm ²	ASTM D790
Hardness (Rockwell)	5I	R Scale	ASTM D785
Impact Strength (Izod with Notch)	>50	kgf cm/cm	ASTM D256
Environment Stress Cracking Resistance	30	hr.Cond.B.10%	ASTM D1693
Melting Point	135	°C	ASTM D3418
Softening Point (Vicat)	126	°C	ASTM D1525
Heat Deflection Temperature	71	°C	ASTM D648
Brittleness Temperature	< -70	°C	ASTM D746
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.			