

KOREA PETROCHEMICAL IND.CO.,LTD

HDPE **P301**
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Classification : HDPE Pipe grade
 Attributes : High Stiffness
 Applications : Electric Cable Pipes, Industrial Drain Pipes

Documents & Certificates

Spec Sheet :  kpic_spec_P301_en.pdf
 MSDS :  kpic_msds_P301_en(1).pdf
 FDA :  FDA Request
 RoHS :  kpic_RoHS_P301_20070511.pdf
 Certificates : **P301** :  LTHS(Bodycote)
P301E :  LTHS(Bodycote)  SCG The Notch Pipe Test(Bodycote)  Sanitary Test(China:Institute of Environmental Health Monitoring, Chinese Academy of Preventive Medicine)
P301E BL :  LTHS(Bodycote)  RCP-S4 Test(Bodycote)  SCG The Notch Pipe Test(Bodycote)  Australian WQC  WRAS

Properties

ITEM (TERM)	VALUE	UNIT	TEST METHOD
Melt Index	0.12	g/10min.	ASTM D1238
Density	0.957	g/cm ³	ASTM D1505
Water Absorption	<0.01	%	ASTM D570
Tensile Strength at Yield	270	kgf/cm ²	ASTM D638
Elongation at Break	>600	%	ASTM D638
Flexural Modulus	10,000	kgf/cm ²	ASTM D790
Hardness (Rockwell)	48	R Scale	ASTM D785
Impact Strength (Izod with Notch)	>50	kgf cm/cm	ASTM D256
Environment Stress Cracking Resistance	>240	hr.Cond.B.10%	ASTM D1693
Melting Point	134	°C	ASTM D3418
Softening Point (Vicat)	126	°C	ASTM D1525
Heat Deflection Temperature	69	°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.			