

KOREA PETROCHEMICAL IND.CO.,LTD
HDPE P301E
 print  close

Classification : HDPE Pipe grade
 Attributes : PE80, Creep Resistance, SCG, Color:Natural
 Applications : Water Supply and Drain Pipes, Industrial Pipes

Documents & Certificates

Spec Sheet :  [kpic_spec_P301E_en.pdf](#)
 MSDS :  [kpic_msds_P301E_en\(2\).pdf](#)
 FDA :  [FDA Request](#)
 RoHS :  [kpic_RoHS_P301E_20140326.pdf](#)
 Certificates : **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	0.948	g/cm ³	ASTM D1505
Water Absorption	<0.01	%	ASTM D570
Tensile Strength at Yield	230	kg/cm ²	ASTM D638
Elongation at Break	>600	%	ASTM D638
Flexural Modulus	8,000	kg/cm ²	ASTM D790
Hardness (Rockwell)	30	R Scale	ASTM D785
Impact Strength (Izod with Notch)	>50	kg _f cm/cm	ASTM D256
Environment Stress Cracking Resistance	>5,000	hr.Cond.B.10%	ASTM D1693
Melting Point	132	°C	ASTM D3418
Softening Point (Vicat)	122	°C	ASTM D1525
Oxidation Induction Time at 200°C	>40	min	ASTM D3895
Heat Deflection Temperature	60	°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.			