

KOREA PETROCHEMICAL IND.CO.,LTD

HDPE **P600**
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Classification : HDPE Pipe grade
 Attributes : PE100, Excellent Creep Resistance, SCG, RCP, Color:Natural
 Applications : Gas Pipes, Water Supply and Drain Pipes

Documents & Certificates

Spec Sheet :  [kpic_spec_P600_en.pdf](#)
 MSDS :  [kpic_msds_P600_en\(1\).pdf](#)
 FDA :  [FDA Request](#)
 Certificates : **P600** :  LTHS(Bodycote)  Sanitary Test(China:Institute of Environmental Health Monitoring, Chinese Academy of Preventive Medicine)
P600 BL :  LTHS(Bodycote)  RCP-S4 Test(Bodycote)  SCG The Notch Pipe Test(Bodycote)  Sanitary Test(China:Institute of Environmental Health Monitoring, Chinese Academy of Preventive Medicine)  The resistance to gas constituent condensate test(Bodycote)  Australian WQC  WRAS

Properties

ITEM (TERM)	VALUE	UNIT	TEST METHOD
Melt Index (5kg)	0.21	g/10min.	ASTM D1238
Density	0.95	g/cm ³	ASTM D1505
Water Absorption	<0.01	%	ASTM D570
Tensile Strength at Yield	240	kgf/cm ²	ASTM D638
Elongation at Break	>600	%	ASTM D638
Flexural Modulus	9,000	kgf/cm ²	ASTM D790
Hardness (Rockwell)	40	R Scale	ASTM D785
Impact Strength (Izod with Notch)	>50	kgf cm/cm	ASTM D256
Environment Stress Cracking Resistance	>5,000	hr.Cond.B.10%	ASTM D1693
Melting Point	133	°C	ASTM D3418
Softening Point (Vicat)	124	°C	ASTM D1525
Oxidation Induction Time at 200°C	>60	min	ASTM D3895
Heat Deflection Temperature	65	°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.			