

KOREA PETROCHEMICAL IND.CO.,LTD
HDPE P600 BL
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Classification : HDPE Pipe grade
 Attributes : PE100, Excellent Creep Resistance, SCG, RCP, Color:Black
 Applications : Gas Pipes, Water Supply and Drain Pipes

Documents & Certificates

Spec Sheet :  [kpic_spec_P600_BL_en.pdf](#)
 MSDS :  [kpic_msd_P600_BL_en\(1\).pdf](#)
 FDA :  [FDA Request](#)
 RoHS :  [kpic_RoHS_P600_BL_20140326.pdf](#)
 Certificates :  [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\(Bodycote\)](#)  [Australlian WQC](#)  [WRAS](#)

Properties

ITEM (TERM)	VALUE	UNIT	TEST METHOD
Melt Index (5kg)	0.21	g/10min.	ASTM D1238
Density	0.960	g/cm ³	ASTM D1505
Tensile Strength at Yield	240	kg/cm ²	ASTM D638
Elongation at Break	>600	%	ASTM D638
Flexural Modulus	9,500	kg/cm ²	ASTM D790
Hardness (Rockwell)	40	R Scale	ASTM D785
Impact Strength (Izod with Notch)	>50	kgfcm/cm	ASTM D256
Environment Stress Cracking Resistance	>5,000	hr, F50	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
Carbon Black Content	2.3	%	ISO 6964
Carbon Black dispersion	<3	Grade	ISO 18553
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.			