KOREA PETROCHEMICAL IND,CO.,LTD

HDPE P600 BL

print close

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_msds_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 Monitering, Chinese Academy of Preventive Medicine) The resistance to gas constitutent 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_f/cm^2	ASTM D638
Elongation at Break	>600	%	ASTM D638
Flexural Modulus	9,500	kg_f/cm^2	ASTM D790
Hardness (Rockwell)	40	R Scale	ASTM D785
Impact Strength (Izod with Notch)	>50	$kg_f cm/cm$	ASTM D256
Environment Stress Cracking Resistance	>5,000	hr, F50	ASTM D1693
Melting Point	133	^oC	ASTM D3418
Softening Point (Vicat)	124	^oC	ASTM D1525
Oxidation Induction Time at 200^oC	>60	min	ASTM D3895
Heat Deflection Temperature	65	^oC	ASTM D648
Brittleness Temperature	<-70	^oC	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.