



KOREA PETROCHEMICAL IND. CO., LTD.

HDPE PE100

YUHWA HIDDEN P600 BL

Features and Uses

Application	HDPE PE100
Features	PE100, Excellent Creep Resistance, SCG, RCP, Color:Black
Uses	Gas Pipes, Water Supply and Drain Pipes

Properties

Items	Specification	Unit	Test Method
Melt Index (5kg)	0.23	g/10min.	ASTM D1238
Density	0.961	g/cm ³	ASTM D1505
Tensile Strength at Yield	230	kg/cm ²	ASTM D638
Elongation at Break	>600	%	ASTM D638
Flexural Modulus	9,500	kg/cm ²	ASTM D790
Hardness (Rockwell)	62	shore D	ASTM 2240
Impact Strength (Izod with Notch)	>50	kg _f cm/cm	ASTM D256
Environment Stress Cracking Resistance	>5,000	hr, F50	ASTM D1693
Melting Point	130	°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

※ Above data are intended to serve as guides only, and are not sales specification limits.

Contact Info.

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