



HDPE PE100

YUHWA HIDEN P600 BL

Features
and Uses

Properties

Application	HDPE PE100			
Features	PE100, Excellent Creep Resistance, SCG, RCP, Color:Black			
Uses	Gas Pipes, Water Supply and Drain Pipes			
Items		Specification	Unit	Test Method
Melt Index (5kg)		0. 23	g/10min.	ASTM D1238
Density		0. 961	g/cm³	ASTM D1505
Tensile Strength at Yield		230	kgf/cm²	ASTM D638
Elongation at Break		>600	%	ASTM D638
Flexural Modulus		9, 500	kgf/cm²	ASTM D790
Hardness (Rockwell)		62	shore D	ASTM 2240
Impact Strength (Izod with Notch)		>50	kgf cm/cm	ASTM D256
Environment Stress Cracking Resistance		>5, 000	hr, F50	ASTM D1693
Melting Point		130	℃	ASTM D3418
Softening Point (Vicat)		124	℃	ASTM D1525
Oxidation Induction Time at 200℃		>60	min	ASTM D3895
Heat Deflection Temperature		65	℃	ASTM D648
Brittleness Temperature		<-70	℃	ASTM D746
Carbon Black Content		2. 3	%	ISO 6964
Carbon Black dispersion		<3	Grade	ISO 18553