

HDPE PE100

YUHWA HIDEN P600

Features
and Uses

Properties

Application	HDPE PE100			
Features	PE100, Excellent Creep Resistance, SCG, RCP, Color:Natural			
Uses	Gas Pipes, Water Supply and Drain Pipes			
	Items	Specification	Unit	Test Method
	Melt Index (5kg)	0.22	g/10min.	ASTM D1238
	Density	0.952	g/cm ³	ASTM D1505
	Water Absorption	<0.01	%	ASTM D570
	Tensile Strength at Yield	230	kgf/cm ²	ASTM D638
	Elongation at Break	>600	%	ASTM D638
	Flexural Modulus	9,000	kgf/cm ²	ASTM D790
	Hardness (Rockwell)	62	shore D	ASTM D2240
	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	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