

HDPE Pipe Grade  
**YUHWA HIDDEN P600**

## Description

- Application : Pipe
- Features : PE100, Excellent Creep Resistance, SCG, RCP, Color:Natural
- Uses : Gas Pipes, Water Supply and Drain Pipes

## Properties

Item	Value	Unit	Test Method
Melt Index (5kg)	0.21	g/10min.	ASTM D1238
Density	0.95	g/cm <sup>3</sup>	ASTM D1505
Water Absorption	<0.01	%	ASTM D570
Tensile Strength at Yield	240	kg <sub>f</sub> /cm <sup>2</sup>	ASTM D638
Elongation at Break	>600	%	ASTM D638
Flexural Modulus	9,000	kg <sub>f</sub> /cm <sup>2</sup>	ASTM D790
Hardness (Rockwell)	40	R Scale	ASTM D785
Impact Strength (Izod with Notch)	>50	kg <sub>f</sub> cm/cm	ASTM D256
Environment Stress Cracking Resistance	>5,000	hr.Cond.B.10%	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