



HDPE Pipe Grade

YUHWA HIDEN[®] P600

Description

- Application : Pipe
- Characteristics : PE100, Excellent Creep Resistance, SCG, RCP, Color : Natural, Blue, Yellow
- Use Case : Gas Pipe, Potable Water Pipe

Specification

Item (term)	Value	Unit	Method
Melt Index	0.23 (5kg)	g/10min.	ASTM D1238
Density	0.95	g/cm ³	ASTM D1505

Physical Properties

Item (term)	Value	Unit	Method
Mold Shrinkage (Linear)	1.5 - 2.5	%	KPIC Method
Water Absorption	<0.01	%	ASTM D570
Tensile Strength (Yield)	240	kg _f /cm ²	ASTM D638
Elongation (Break)	>600	%	ASTM D638
Flexural Modulus	9,000	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
E.Stress Cracking Resistance	>5,000	hr.Cond.B.10%	ASTM D1693
Melting Point	133	°C	ASTM D3418
Softening Point (Vicat)	124	°C	ASTM D1525
Heat Deflection Temperature	65	°C	ASTM D648
Brittleness Temperature	<-70	°C	ASTM D746
Thermal Expansion (Linear)	1.5	10 ⁻⁴ cm/cm °C	ASTM D696
Specific Heat	0.45	cal/g°C	KPIC Method
Volume Resistivity	1	10 ¹⁷ ohm.cm	ASTM D257
Dielectric Constant (1KHz)	2.3		ASTM D150
Dissipation Factor (1KHz)	2	10 ⁻⁴	ASTM D150
Dielectric Strength (Short Time)	48	KV/mm	ASTM D149

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

FDA

YUHWA HIDEN[®] P600 complies with FDA regulations.

Technical Servies

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