



HDPE for Steel Pipe Coating

YUHWA HIDEN P601 KUBLR

Features
and Uses

Properties

Application	HDPE for Steel Pipe Coating			
Features	Abrasion Resistance, Weatherability, UV Stability, Color:Black			
Uses	Steel Pipe Coating			
Items	Specification	Unit	Test Method	
Melt Index	0.43	g/10min.	ASTM D1238	
Density	0.949	g/cm³	ASTM D1505	
Tensile Strength at Yield	200	kgf/cm²	ASTM D638	
Elongation at Break	>600	%	ASTM D638	
Flexural Modulus	7,500	kgf/cm²	ASTM D790	
Hardness	60	Shore D	ASTM D2240	
Impact Strength (Izod width Notch)	>50	kgf cm/cm	ASTM D256	
Environment Stress Cracking Resistance	>5,000	hr. Cond. B. 100%	ASTM D1693	
Melting Point	127	°C	ASTM D3418	
Softening Point (Vicat)	121	°C	ASTM D1525	
Heat Deflection Temperature	58	°C	ASTM D648	
Brittleness Temperature	<-70	°C	ASTM D746	
Carbon Black Content	2.3	%	ISO 6964	
Carbon Black Dispersion	<3	Grade	ISO 18553	