



HDPE for Wire&Cable

## YUHWA HIDEN P603H BL

Features  
and Uses

Properties

<b>Application</b>	HDPE for Wire&Cable			
<b>Features</b>	SCG, Heat Resistance, Long term Properties, UV Resistance, ESCR, Color:Black			
<b>Uses</b>	Wire & Cable Jacket			
	<b>Items</b>	<b>Specification</b>	<b>Unit</b>	<b>Test Method</b>
	<b>Melt Index</b>	0.33	g/10min.	ASTM D1238
	<b>Density</b>	0.956	g/cm <sup>3</sup>	ASTM D1505
	<b>Mold Shrinkage</b>	1.5~2.5	%	KPIC Method
	<b>Tensile Strength at Yield</b>	210	kgf/cm <sup>2</sup>	ASTM D638
	<b>Elongation at Break</b>	>700	%	ASTM D638
	<b>Flexural Modulus</b>	8,000	kgf/cm <sup>2</sup>	ASTM D790
	<b>Hardness</b>	62	Shore D	ASTM D2240
	<b>Impact Strength (Izod with Notch)</b>	>50	kgf cm/cm	ASTM D256
	<b>Environment Stress Cracking Resistance</b>	>5,000	hr. Cond. B. 10%	ASTM D1693
	<b>Melting Point</b>	129	°C	ASTM D3418
	<b>Softening Point (Vicat)</b>	122	°C	ASTM D1525
	<b>Heat Deflection Temperature</b>	59	°C	ASTM D648
	<b>Brittleness Temperature</b>	<-80	°C	ASTM D746
	<b>Carbon Black Content</b>	2.6	%	ISO 6964
	<b>Carbon Black Particle Size</b>	<20	nm	-
	<b>Carbon Black Dispersion</b>	<3	Grade	ISO 18553
	<b>Thermal Expansion</b>	1.5	10 <sup>-5</sup> cm/cm °C	ASTM D696
	<b>Specific Heat</b>	0.45	cal/g°C	KPIC Method
	<b>Volume Resistivity</b>	1	10 <sup>12</sup> ohm.cm	ASTM D257
	<b>Dielectric Constant (1KHz)</b>	2.3		ASTM D150
	<b>Dissipation Factor (1KHz)</b>	2	10 <sup>-4</sup>	ASTM D150
	<b>Dielectric Strength (Short Time)</b>	>30	KV/mm	ASTM D149

HK:+852-69575415 China Guangdong:+13538586433 Shanghai:+18816996168

