

HDPE for Wire&Cable

YUHWA HIDEN P603H BL

Features
and Uses

Properties

Application	HDPE for Wire&Cable			
Features	SCG, Heat Resistance, Long term Properties, UV Resistance, ESCR, Color:Black			
Uses	Wire & Cable Jacket			
Items	Specification	Unit	Test Method	
Melt Index	0.33	g/10min.	ASTM D1238	
Density	0.956	g/cm³	ASTM D1505	
Mold Shrinkage	1.5~2.5	%	KPIC Method	
Tensile Strength at Yield	210	kgf/cm²	ASTM D638	
Elongation at Break	>700	%	ASTM D638	
Flexural Modulus	8,000	kgf/cm²	ASTM D790	
Hardness	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	129	℃	ASTM D3418	
Softening Point (Vicat)	122	℃	ASTM D1525	
Heat Deflection Temperature	59	℃	ASTM D648	
Brittleness Temperature	<-80	℃	ASTM D746	
Carbon Black Content	2.6	%	ISO 6964	
Carbon Black Particle Size	<20	nm	-	
Carbon Black Dispersion	<3	Grade	ISO 18553	
Thermal Expansion	1.5	10⁻⁵cm/cm ℃	ASTM D696	
Specific Heat	0.45	cal/g℃	KPIC Method	
Volume Resistivity	1	10¹⁷ohm. cm	ASTM D257	
Dielectric Constant (1KHz)	2.3		ASTM D150	
Dissipation Factor (1KHz)	2	10⁻⁴	ASTM D150	
Dielectric Strength (Short Time)	>30	KV/mm	ASTM D149	

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

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