

HCPP Block Copolymer for Wire&Cable

YUHWA POLYPRO CB2203

Features
and Uses

Properties

Application	HCPP Block Copolymer for Wire&Cable			
Features	High Stiffness, Impact Resistance, Heat Resistance, High Gloss, Scratch Resistance, Slippery			
Uses	Loose Tube			
	Items	Specification	Unit	Test Method
	Melt Index	2.7	g/10min.	ASTM D1238
	Density	0.91	g/cm ³	ASTM D1505
	Mold Shrinkage	1.4~1.8	%	KPIC Method
	Water Absorption	<0.01	%	ASTM D570
	Tensile Strength at Yield	300	kgf/cm ²	ASTM D638
	Elongation at Break	>200	%	ASTM D638
	Flexural Modulus	14,000	kgf/cm ²	ASTM D790
	Hardness (Rockwell)	100	R Scale	ASTM D785
	Impact Strength (Izod with Notch)	20	kgf cm/cm	ASTM D256
	Melting Point	167	°C	ASTM D3418
	Softening Point (Vicat)	153	°C	ASTM D1525
	Heat Deflection Temperature	135	°C	ASTM D648
	Thermal Expansion	10	10 ⁻⁴ cm/cm °C	ASTM D696
	Specific Heat	0.46	cal/g°C	KPIC Method
	Heat Conductivity	3	10 ⁻⁴ cal cm/cm sec. °C	KPIC Method
	Volume Resistivity	1	10 ¹¹ ohm. cm	ASTM D257
	Dielectric Constant (1KHz)	2.3		ASTM D150
	Dissipation Factor (1KHz)	2	10 ⁻⁴	ASTM D150
	Dielectric Strength (Short Time)	40	KV/mm	ASTM D149
	Arc Resistance	130	sec.	ASTM D495