

HANWHA CTBA-8730BK

Polyolefin

Hanwha Chemical

Message:

Hanwha Wire and Cable Compound CTBA-8730BK is a semiconductive compound for conductor and bonded insulation shielding of medium voltage (33kV) power cables. CTBA-8730BK has an excellent scorch stability and good surface smoothness, so it is used for the triple coextrusion head.

General Information			
Features	Semi-conductive		
	Workability, good		
	Crosslinkable		
	Good electrical performance		
	Heat resistance, high		
	Excellent appearance		
Uses	Cable guard		
	Wire and cable applications		
	Medium voltage insulation		
Agency Ratings	AEIC CS5		
	AEIC CS7		
	BS 6622		
	ICEA S-66-524 NEMA WC 7		
	IEC 60502		
	IEC 60840		
	VDE 0263		
Forms	Particle		
	Co-extrusion molding		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ASTM D1505
Degree of Crosslinking	75	%	ASTM D2765A
Oven Aging (136°C)	7.0	day	
Tensile strength retention-7 days (136°C)	> 90	%	ASTM D638
Elongation retention rate-7 days (136°C)	> 85	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	58		ASTM D2240

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	18.6	MPa	ASTM D638
Tensile Elongation (Break)	200	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -40.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity			ASTM D257
23°C	< 2.0E+2	ohms·cm	ASTM D257
90°C	< 5.0E+2	ohms·cm	ASTM D257
Extrusion	Nominal Value	Unit	
Melt Temperature	100 - 120	°C	
Extrusion instructions			

Cure Temperature : 320 ~ 390°C

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