

HANWHA CTBA-8720BK

Polyolefin
Hanwha Chemical

Message:

HANWHA Wire and Cable Compound CTBA-8720BK is a semiconductive compound for conductor shielding and bonded insulation shielding of high voltage polyethylene insulated cable. HANWHA Wire and Cable Compound CTBA-8720BK has an excellent scorch stability, so it is used for the Triple coextrusion head.

General Information			
Features	Workability, good		
	Crosslinkable		
	Good electrical performance		
	Heat resistance, high		
	Excellent appearance		
Uses	Wire and cable applications		
	Medium voltage insulation		
Agency Ratings	AEIC CS5		
	BS 6622		
	ICEA S-66-524		
	IEC 60502		
	IEC 60840		
	NEMA WC-7		
	VDE 0263		
	VDE 0273		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ASTM D1505
Degree of Crosslinking	75	%	ASTM D2765A
Tensile strength retention-7 days (136°C)	> 85	%	ASTM D638
Elongation retention rate-7 days (136°C)	> 85.0		ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	58		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	17.2	MPa	ASTM D638
Tensile Elongation (Break)	250	%	ASTM D638
Aging	Nominal Value	Unit	Test Method

Change in Tensile Strength in Air (136°C, 168 hr)	< -15	%	ASTM D573
Change in Ultimate Elongation in Air (136°C, 168 hr)	< -15	%	ASTM D573
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
60°C	< 5.0E+2	ohms·cm	ASTM D257
90°C	< 1.0E+3	ohms·cm	ASTM D257
Extrusion	Nominal Value	Unit	
Melt Temperature	100 - 130	°C	
Extrusion instructions			

Cure Temperature : 320~390°C

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