

HANWHA CHBA-880FR

Polyolefin

Hanwha Chemical

Message:

Hanwha Wire and Cable Compound CHBA-880FR is a non-halogen, low-smoke, low-toxic flame retardant polyolefin compound. CHBA-880FR is used for cable jacketing application such as telecommunication and power cable.

General Information			
Additive	Flame retardancy		
Features	Low smoke		
	Low toxicity		
	Anti-combustion		
	Halogen-free		
	Flame retardancy		
Uses	Communication Cable Jacketing		
	Cable sheath		
	Cable sheath		
	Wire and cable applications		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.30	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.40	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	10.3	MPa	ASTM D638
Tensile Elongation (Break)	500	%	ASTM D638
Aging	Nominal Value	Unit	Test Method
Oven Aging (100°C)	7.0	day	
Tensile strength retention-7 days (100°C)	> 85	%	ASTM D638
Elongation retention rate-7 days (100°C)	> 85	%	ASTM D638
Acid gas emission pH	4.50		IEC 754-2
Smoke Density	85		ASTM E662
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-30.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Dielectric Constant (1 MHz)	3.10		ASTM D150
Dissipation Factor (1 MHz)	1.0E-3		ASTM D150
Flammability	Nominal Value	Unit	Test Method

Oxygen Index	32	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Melt Temperature	170 - 190	°C	
Extrusion instructions			

Hopper Drying : 60~75°C for 3hrs

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