

# HANWHA CHBA-8806FR

Linear Low Density Polyethylene

Hanwha Chemical

## Message:

Hanwha Wire and Cable Compound CHBA-8806FR is a low-smoke flame retardant compound. CHBA-8806FR is based on linear low density polyethylene(LLDPE) and has an excellent flame retardant properties and processability. This compound is used for jacketing of TR-CNCE-W cable.

LLDPE based Flame Retardant Compound  
Excellent Flame Retardant Property  
High Resistance to Ignition and Flame Propagation  
Good Processability

General Information			
Additive	Flame retardancy		
Features	Workability, good		
	Flame retardancy		
Uses	Cable sheath		
	Wire and cable applications		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.30	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Carbon Black Content	2.6	%	ASTM D1603
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	12.7	MPa	ASTM D638
Tensile Elongation (Break)	650	%	ASTM D638
Aging	Nominal Value	Unit	Test Method
Oven Aging (100°C)	2.0	day	
Tensile strength retention rate	> 90	%	ASTM D638
Elongation retention rate	> 90	%	ASTM D638
Deformation-Thermal @100°C/2kg		%	
Light Absorption Coefficient	> 350	Abs/mm	ASTM D3349
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-30.0	°C	ASTM D746
Melting Temperature	125	°C	DSC
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	> 30	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Melt Temperature	190 - 210	°C	
Extrusion instructions			

Hopper Drying : 60~75°C for 3hrs

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#### Recommended distributors for this material

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