

Flame Retardant Jacketing Compound

MELT INDEX **3.0**
DENSITY **1.30**

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.

■ **Outstanding Properties**

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

■ **Processing Conditions**

- Hopper Drying : 60~75℃ for 3hrs
- Extrusion Temperature : 190~210℃

■ **Properties**

Physical Properties	Unit	Test Method	Value
Melt Index	g/10min	ASTM D1238	3.0
Density	g/cm ³	ASTM D1505	1.30
Melting Temperature(Tm)	℃	HCC Method(DSC)	125
Tensile Strength	kg/cm ²	ASTM D638	130
Elongation	%	ASTM D638	650
Oven Aging, 2 days @100℃		ASTM D638	
Tensile Strength Retention	%		> 90
Elongation Retention	%		> 90
Low Temperature Brittleness	℃	ASTM D746	-30
Carbon Black Content	%	ASTM D1603	2.6
Light Absorption Coefficient	Abs/mm	ASTM D3349	> 350
Thermal Deformation @100℃/2kg	%	ICEA-S-94-649	< 10
Combustion Properties	Unit	Test Method	Value
Oxygen Index(LOI)	%	ASTM D2863	> 30
Electrical Properties	Unit	Test Method	Value
Dielectric Constant @ 1 MHz	-	ASTM D150	3.1
Dissipation Factor @ 1 MHz	-	ASTM D150	0.001

* Values are typical : not to be construed for specification.

<http://hcc.hanwha.co.kr>