

# DYM-8890NFR

Wire & Cable Compound

## LSHF Sheathing Compound for Wire & Cable

### Description

DYM-8890NFR is a thermoplastic, halogen free and flame retardant sheathing compound for wire and cable.

### Specification

IEC 60092-360 type SHF1

IEC 60332-3 Category A

VDE 0207 Part 24 type HM2

BS 7655 : 6.1 types LTS1 & LTS3

### Typical Physical-Electrical Properties

Test items	Test method	Unit	Value
Specific Gravity at 23°C	ASTM D 792	-	1.40
Tensile Strength at break	IEC 60811-501	MPa	11
Elongation at break		%	600
Tensile Strength after 168hrs at 100°C			10
Retention	IEC 60811-401	%	90
Elongation at break after 168hrs at 100°C			510
Retention		%	85
Pressure test at high temp. (80°C, 6hrs)	IEC 60811-508	%	25
Heat shock test (150°C, 1hr)	IEC 60811-509	-	Pass
Cold impact test (-15°C)	IEC 60811-506	-	Pass
Oxygen index	ASTM D 2863	%	40
Smoke density (Flaming mode)	ASTM E 662	Ds max	70
Halogen acid gas evolution	IEC 60754-1	%	0
Corrosivity of gases	IEC 60754-2		
pH		-	5.2
Conductivity		µs/cm	20
Insulation Resistance	ASTM D 257	Ω·cm	1×10 <sup>14</sup>
Hardness	ASTM D 2240	Shore D	45

\* Data should not be used for specification work.

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### Processing Techniques

Recommending standard extrusion temperature profiles of **DYM-8890NFR** are as follows ;

							Unit: °C
Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Adapter	Head	Die
160±5	163±5	163±5	165±5	168±5	170±5	170±5	170±5

It is recommended that this product can be used conventional PE/PVC extruder. (L/D is 30~20:1 and C/R is 2.5~3.5:1) specific recommendation for processing conditions can be determined only when the application and type of equipment are known. We recommend hopper drying at 40~60°C for 4 hours to remove moisture before extrusion.

### Color & Appearance

This compound is a basic black color, but colorable, and is supplied in pellet form.

### Packing

Form : 600kg Cardboard Box (Inner Al bag packing)

### Handling

To ensure health and safety, Material Safety Data Sheets(MSDS) is available on request.

### Storage

Should be stored at room temperatures between 10~50°C. Recommended maximum storage period in dry and clean place is 12 months unopened and in original packaging after the manufacture.

### Disclaimer

The product can be used only for the application as specified here above. It is the customer responsibility to inspect and test our products to satisfy the suitability of this product to customer's particular purpose. No liability can be accepted regarding the use of our products in conjunction with other materials. No warranties shall be offered which extend beyond the description contained here above. The above-mentioned information relates exclusively to our products when not used in conjunction with any third party materials.



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