

DYM-8845NFR

Wire & Cable Compound

LSHF Sheathing Compound for Telecommunication Cables

Description

DYM-8845NFR is a thermoplastic, non-halogen low smoke flame retardant sheathing compound for telecommunication cables. This compound provides good processing, mechanical properties and long term reliability as well as fire retardant.

Specification

BS 7655 ST1~ST4

IEC 60502 ST3

IEC 60092-360 type SHF1

Typical Physical-Electrical Properties

Test items	Test method	Unit	Value
Specific gravity at 23°C	ASTM D 792	-	1.36
Tensile strength at break	IEC 60811-501	MPa	12
Elongation at break		%	550
Tensile strength after 168hrs at 100°C	IEC 60811-401	MPa	9.6
Retention		%	80
Elongation at break after 168hrs at 100°C		%	500
Retention		%	90
Oil Resistance(ASTM #2 Oil 70°C,4hrs)	IEC 60811-404		
T·S after immersion(Retained)		%	75
Eb after immersion(Retained)		%	75
Oxygen index	ASTM D 2863	%	41
Vertical burning test	UL 94 V-0	-	Pass
Smoke density (Flaming mode)	ASTM E 662	Ds max	70
Smoke emission	BS 7622 Part 2	%	85
Halogen acid gas evolution	IEC 60754-1	%	0
Corrosivity of gases pH	IEC 60754-2	-	5.2
Conductivity		µs/mm	5.5

* Data should not be used for specification work.

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Processing Techniques

Recommending standard extrusion temperature profiles of **DYM-8845NFR** are as follows ; Unit: °C

Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Adapter	Head	Die
160±5	163±5	165±5	168±5	170±5	170±5	172±5	175±5

It is recommended that this product can be used conventional PE/PVC extruder. (L/D is 20~24:1 and C/R is 2~3:1) Specific recommendation for processing conditions can be determined only when the application and type of equipment are known. We recommend hopper drying at 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.

Packaging

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 12months 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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