

DYM-7651NFR

Wire & Cable Compound

LSHF Insulation Compound for Wire & Cables

Description

DYM-7651NFR is a thermosetting(Electric Beam), non-halogen, low smoke and flame retardant insulation compound for wire and cables. This compound provides good processing, mechanical properties and long term reliability.

Specification

UL 10368 HF 105°C Grade

IEC 60092-351 type HF 85

BS 7655 : 5.1 types EI5

Typical Physical-Electrical Properties

Test items	Test method	Unit	Value
Specific gravity at 23°C	ASTM D 792	-	1.46
Tensile strength at break	IEC 60811-501	MPa	12.5
Elongation at break		%	315
Tensile strength after 7days at 135°C	IEC 60811-401		
Retention		%	>95
Elongation at break after 7days at 135°C			
Retention		%	>85
Cold impact test (-15°C)	IEC 60811-506	-	Pass
VW-1 test	-	-	Pass
Oxygen index	ASTM D 2863	%	53
Smoke density (Flaming mode)	ASTM E 662	Ds max	100
Halogen acid gas evolution	IEC 60754-1	%	0
Corrosivity of gases	IEC 60754-2		
pH		-	5.0
Conductivity		µs/cm	15
Volume resistivity	ASTM D 257	Ω·cm	1×10 ¹⁵
Hardness	ASTM D 2240	Shore A	97

* Data should not be used for specification work.

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Processing Techniques

Recommending standard extrusion temperature profiles of **DYM-7651NFR** are as followings ;

							Unit: °C
Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Adapter	Head	Die
130±5	135±5	137±5	140±5	145±5	150±5	150±5	150±5

It is recommended that this product can be used conventional PE/PVC extruder. (L/D is 24:1 and C/R is 1.5:1)
Specific recommendation for processing conditions can be determined only when the application and type of equipment are known. We recommend hopper drying at 60°C for 4 hours to remove moisture before extrusion.

Color & Appearance

This compound is a Natural 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 10~30°C. Recommended maximum storage period in dry and clean place is 6months 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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