

DYM-8635NFR

Wire & Cable Compound

Sheathing Compound for Shipboard & Mud Resistant Cables

Description

DYM-8635NFR is a thermosetting non halogen and low smoke flame retardant sheathing compound for shipboard and mud resistant cables based on EVM.

Specification

NEK 606

IEC 60092-359 Type SHF2

Typical Physical-Electrical Properties

Test items	Test method	Unit	Value
Specific Gravity at 23°C	ASTM D 792	-	1.54
Hardness	ASTM D 2240	Shore A	86
Tensile Strength at break	IEC 60811-501	MPa	10
Elongation at break		%	170
Tensile Strength after 168hrs at 120°C	IEC 60811-401		
Retention		%	120
Elongation at break after 168hrs at 120°C			
Retention		%	100
Hot set test (200°C, 15min, 20N/cm ²)	IEC 60811-507		
Elongation under load		%	20
Permanent elongation		%	0
Oil resistance (IRM 902 Oil, 100°C, 24 hrs)	IEC 60811-404		
Tensile Strength (Retention)		%	110
Elongation (Retention)		%	100
Oil resistance (IRM 903 Oil, 100°C, 168 hrs)			
Tensile Strength (Retention)	IEC 60092-350		110
Elongation (Retention)		%	85
Volume swell		%	120
Weigh increase			115
Cold impact (-15°C)	IEC 60811-506	-	Pass
Oxygen index	ASTM D 2863	%	34
Halogen acid gas evolution	IEC 60754-1	%	0
Corrosivity of gases	pH IEC 60754-2	-	4.9
Conductivity		µs/cm	40

* Data should not be used for specification work.

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Processing Techniques

Recommending standard extrusion temperature profiles of **DYM-8635NFR** are as followings ;

Unit: °C

Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Adapter	Head	Die
85±5	90±5	95±5	97±5	100±5	105±5	105±5	105±5

It is recommended that this product can be used conventional Rubber extruder. (L/D is 15~12:1 and C/R is 1.3~2.0:1) Specific recommendation for processing conditions can be determined only when the application and type of equipment are known.

Color & Appearance

This compound is a basic black color and is supplied in ribbon form.

Packing

Form : 600kg Cardboard Box

Storage

Should be stored at room temperatures between 10~40°C. Recommended maximum storage period in a dry and clean place is 6 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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