

DYM-8633NFR

Wire & Cable Compound

Sheathing Compound for Shipboard MIL Type Cables

Description

DYM-8633NFR is a thermosetting non halogen and low smoke flame retardant sheathing compound for shipboard cables. This compound provides good processing and long-run extrusion without scorch.

Specification

IEC 60092-360 type SHF2

NEK 606

Typical Physical-Electrical Properties

Test items	Test method	Unit	Value
Specific Gravity at 23°C	ASTM D 792	-	1.51
Hardness	ASTM D 2240	Shore A	93
Tensile Strength at break	IEC 60811-501	MPa	10
Elongation at break		%	250
Tensile Strength after 168hrs at 120°C	IEC	%	85
Retention			
Elongation at break after 168hrs at 120°C	IEC	%	90
Retention			
Oil resistance (IRM 902, 100°C, 24 hrs)	IEC 60811-404		
Tensile Strength (Retention)		%	>75
Elongation (Retention)		%	>90
Hot set test (200°C, 15min, 20N/cm ²)	IEC 60811-507		
Elongation under load		%	20
Permanent elongation		%	0
Ozone resistance 30 hrs(0.025~0.03%)	IEC 60811-403	-	No Crack
Elongation at low temperature (-15°C, 16hrs)	IEC 60811-505	%	70
Assessment of halogens			
pH	IEC 60754-2	-	5.2
Conductivity	IEC 60754-2	µS/mm	3.8
Amount of halogen acid gas	IEC 60754-1	%	0

* Data should not be used for specification work.

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Processing Techniques

Recommending standard extrusion temperature profiles of **DYM-8633NFR** 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

Handling

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

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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