

DYM-8637NFR

Wire & Cable Compound

Sheathing Compound for Shipboard MIL Type Cables

Description

DYM-8637NFR is a thermosetting non halogen and low smoke flame retardant sheathing compound for shipboard MIL Type cables. This compound provides good processing and long-run extrusion without scorch.

Specification

MIL-DTL-24643B

Typical Physical-Electrical Properties

Test items	Test method	Unit	Value
Specific Gravity at 23°C	ASTM D 792	-	1.52
Hardness	MIL-DTL- 24643B 4.8.12	Shore A	92
Tensile Strength at break	MIL-DTL- 24643B 4.8.30	MPa	11
Elongation at break		%	250
Tensile Strength after 168hrs at 136°C	MIL-DTL- 24643B 4.8.19	%	85
Retention			
Elongation at break after 168hrs at 136°C	IEC 60811-507	%	90
Retention			
Hot set test (200°C, 15min, 20N/cm ²)	IEC 60811-507	%	20
Elongation under load			
Permanent elongation			
Heat distortion	MIL-DTL- 24643B 4.8.15		3.0
Acid gas equivalent	MIL-DTL- 24643B 4.8.24		0.5
Halogen content	MIL-DTL- 24643B 4.8.25		0
Smoke index	MIL-DTL- 24643B 4.8.26		12
Toxicity index	MIL-DTL- 24643B 4.8.28		0.5
Tear	MIL-DTL- 24643B 4.8.21	lbs/in	40
Weathering	MIL-DTL- 24643B 4.8.29	-	Pass
Oxygen index	ASTM D 2863	%	32

* Data should not be used for specification work.

Processing Techniques

Recommending standard extrusion temperature profiles of **DYM-8637NFR** 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

DYM-8637NFR

Wire & Cable Compound

Sheathing Compound for Shipboard MIL Type Cables

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.



DYM SOLUTION CO., LTD.

Head Office : 50, 2gongdan 8-gil, Seobuk-gu, Cheonan-si, Chungcheongnam-do, Korea, <http://www.dymcom.co.kr>
Tel : +82(0)41 621 6250, 621 8421 Fax : +82(0)41 621 8420