

Filling Compound for Multi Core Tube

Description

DYM-8452NFR is a thermoplastic, non-halogen, low smoke and flame retardant filling compound for multi core tube based on EPDM.

Specification

IEC 60502

BS 7655

Typical Physical-Electrical Properties

Test items	Test method	Unit	Value
Specific gravity at 23°C	ASTM D 792	-	1.70
Tensile strength at break(50mm/min)	IEC 60811-501	MPa	5
Elongation at break		%	100
Pressure test at high temp. (75°C, 30min)	IEC 60811-508	%	5
Heat shock test (150°C, 1hr)	IEC 60811-509	-	Pass
Cold impact test (-15°C)	IEC 60811-506	-	Pass
Oxygen index	ASTM D 2863	%	45
Smoke density (Flaming mode)	ASTM E 662	DS max	140
Halogen acid gas evolution	IEC 60754-1	%	0
Corrosivity of gases	IEC 60754-2		
pH		-	4.8
Conductivity		μs/cm	60
Hardness (Shore A)	ASTM D 2240	-	90
Mooney Viscosity ML 1+4 at 140°C	ASTM D 1646	-	54
Volume resistivity	ASTM D 257	Ω·cm	2.2×10 ¹⁴

* Data should not be used for specification work.

Processing Techniques

Recommending standard extrusion temperature profiles of **DYM-8452NFR** are as follows ;

Unit: °C

Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Adapter	Head	Die
90±5	95±5	95±5	100±5	105±5	110±5	115±5	120±5

It is recommended that this product can be used conventional rubber extruder.

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.

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Color & Appearance

This compound is a basic black color, but colorable, and is supplied in ribbon or pellet form.

Packing

Form : 700kg Cardboard Box (Inner PE 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 10~40°C. Recommended maximum storage period in a 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.