

Technical Data Sheet



Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

Niruadd-MB-FR

Flame Retardant Compound

Nirumand Polymer

Product Description

Niruadd-MB-FR is an especial PP compound having self-extinguishability making it much safer for the use in the electrical goods, housewares and home appliance applications complying with the UL-94 regulations, widely accepted fire safety standard. Niruadd-FR provides excellent balance of mechanical properties and processability within flame retardant properties.

General Properties

Material Status	•Commercial: Active
Forms	•Pellets
Processing Method	•Injection molding
Appearance	•Natural

Physical Properties	Value	Unit	Test Method
Density	1.1	gr/cm ³	ISO 1183
Flammability (3mm/ 6mm)	V-0	...	UL-94
Moisture Content	0.04	%	ASTM D570

Usage

Niruadd-FR can be physically added to the neat PP. The recommended minimum quantity to obtain HB value of flame retardancy is 11 % by weight. The addition level will vary depending on the application of product and required self-extinguishability.

Special characteristics

The excellent dispersion of the additives in the base resin

Easy processing without affecting the mechanical properties of the finished product

Eliminate microscopic phase separation in finished products.

◆ Values shown are average & are not to be considered as product specifications.

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