

SI-LINK™ AC DFDA-5488 NT

Catalyst Masterbatch for Moisture Curable Power Cable Insulation

The Dow Chemical Company

Message:

DFDA-5488 NT is a fast-curing catalyst masterbatch used in conjunction with DFDB-5451 NT ethylene-silane copolymer. The formula of DFDA-5488 NT contains EEA copolymer, and the brand SI-LINK will be introduced soon.™AC DFDA-5488 Natural crosslinkable polyethylene. Since the catalyst masterbatch is transported separately from the silane-modified polyethylene, these components are very stable during the shelf life. The crosslinking reaction can only occur under the conditions of contact moisture and a certain temperature after the two components are melt-mixed. After mixing with DFDB-5451 NT, DFDA-5488 NT has excellent scorch resistance. DFDA-5488 NT has sufficient antioxidant content, therefore, this mixing system has satisfactory processing performance and product performance stability. This system is very effective for copper conduits or aluminum conduits. The recommended usage of DFDA-5488 NT is about 5% (weight ratio). The specific dosage level depends on the process and the processing conditions used. Please contact your Dow sales representative or technical representative for your specific application to determine the usage level.

General Information			
Additive	Antioxidation		
Uses	Low voltage insulation		
	Wire and cable applications		
Appearance	brownish yellow		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.930	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.3	g/10 min	ASTM D1238
Appearance	Tan to light brown pellets		
Extrusion instructions			

Special packaging is used for DFDA-5488 NT to protect the product from moisture. Therefore drying of DFDA-5488 NT is not necessary. Consult the Technical Data Sheet for DFDB-5451 NT for processing and crosslinking recommendations.

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