



# SI-LINK™ AC DFDA-5488 NT

## Catalyst Masterbatch for Moisture Curable Power Cable Insulation

**Overview** DFDA-5488 NT is a fast cross-linking catalyst masterbatch designed to be used with the scorch retardant DFDB-5451NT ethylene-silane copolymer in order to produce insulation for power and control tray cables up to 1KV.

Because the catalyst masterbatch is shipped separately from the silane-modified polyethylene, the components are very shelf-stable. Crosslinking of the insulation system only occurs after hot melt mixing of the two components and exposure to moisture. When DFDA-5488 NT is mixed with DFDB-5451 NT, the resulting system has excellent scorch resistance during extrusion.

DFDA-5488 NT includes sufficient antioxidant so that the SI-LINK™ AC system provides excellent processing and product performance. This insulation system is designed to be effective on either copper or aluminum conductors.

The recommended level of usage for DFDA-5488 NT is 5% by weight. The specific level will depend on the process and conditions used. For your particular application, contact your Dow representative for recommended levels.

**Additive** • Antioxidant

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.930 g/cm <sup>3</sup>	0.930 g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (190°C/2.16 kg)	1.3 g/10 min	1.3 g/10 min	ASTM D1238
Appearance	Tan to light brown pellets	Tan to light brown pellets	

**Extrusion Notes**

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.

**Notes**

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

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<b>North America</b>		<b>Europe/Middle East</b>	+800-3694-6367
U.S. & Canada:	1-800-441-4369		+31-11567-2626
	1-989-832-1426	Italy:	+800-783-825
Mexico:	+1-800-441-4369		
<b>Latin America</b>		<b>South Africa</b>	+800-99-5078
Argentina:	+54-11-4319-0100		
Brazil:	+55-11-5188-9000		
Colombia:	+57-1-219-6000	<b>Asia Pacific</b>	+800-7776-7776
Mexico:	+52-55-5201-4700		+603-7965-5392

[www.dowplastics.com](http://www.dowplastics.com)

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Published: 2005-11-17

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