

# SI-LINK™ DFDA-5481 NT

Catalyst Masterbatch for Moisture Curable Power Cable Insulation

The Dow Chemical Company

## Message:

Catalyst masterbatch for SI-LINK polyethylene materials

DFDA-5481 Natural is a catalyst masterbatch for faster curing. The product and such as SI-LINK™ Polyethylene is used DFDA-5451 silane modified polyethylene such as Natural to catalyze the crosslinking reaction of materials. Since the catalyst masterbatch is transported separately from the silane-modified polyethylene, these components are very stable during the shelf life. Only these two components will cross-link after melt mixing. after mixing with DFDA-5451 Natural, the DFDA-5481 Natural has excellent scorch resistance and DFDA-5481 Natural has sufficient antioxidant content. therefore, this two-component system has satisfactory processing performance and product performance stability. This two-component system is very effective for copper conduits or aluminum conduits.

The recommended usage of DFDA-5481 Natural 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		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	0.930	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Extrusion	Nominal Value	Unit	
Drying Temperature	60.0 - 71.1	°C	
Drying Time	4.0 - 6.0	hr	
Extrusion instructions			

Though the packaging used for DFDA-5481 NT is specifically designed to reduce moisture penetration, drying for 4-6 hours at 140°-160°F (60°-70°C) in a hopper drier with dehumidified air is recommended for optimum results. If desired, it may be dry mixed with DFDB-5410 BK carbon black masterbatch prior to being dried.

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

## Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT