

DOW™ Electrical & Telecommunications

DFDK-6010 BK

Carbon Black Masterbatch for Jacket Applications

The Dow Chemical Company

Message:

DOW™ Electrical & Telecommunications DFDK-6010 BK is a carbon black filled masterbatch and contains an ageing stabilizer. It is specifically designed to be compatible with Dow Polyethylene Resins for use as black telecom, power and fiber optic cables. To achieve 2.6 % carbon black in the finished jacket, DOW™ Electrical & Telecommunications DFDK-6010 BK should be incorporated at a level of 6.2 %.

With the recommended carbon black content DOW™ Electrical & Telecommunications DFDK-6010 BK provides excellent UV protection for telecom, power and fiber optic cables.

Processing:

DFDK-6010 BK carbon black masterbatch and the selected Dow Polyethylene Resin should be introduced to the extruder hopper uniformly in the correct ratio to ensure a consistent 2.6% carbon black throughout the final product. Use melt extrusion temperatures appropriate for the chosen base resin.

General Information			
Uses	Cable Jacketing		
	Masterbatch		
	Wire & Cable Applications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Apparent Density	0.66	g/cm ³	ISO 60
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	32	g/10 min	ISO 1133
Carbon Black Content	42	%	IEC 60811-4-1
Moisture	< 2.0	%	DIN 53715

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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

