

Technical Information



DOW™ Wire & Cable DFDK-6010 BK **Carbon Black Masterbatch for Jacket Applications**

Overview

DOW™ Wire & Cable 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™ Wire & Cable DFDK-6010 BK should be incorporated at a level of 6.2 %.

With the recommended carbon black content DOW™ Wire & Cable 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.

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Apparent (Bulk) Density	0.66 g/cm ³	0.66 g/cm ³	ISO 60
Melt Mass-Flow Rate (190°C/21.6 kg)	32 g/10 min	32 g/10 min	ISO 1133
Carbon Black Content	42 %	42 %	IEC 60811-4-1
Moisture	< 2.0 %	< 2.0 %	DIN 53715

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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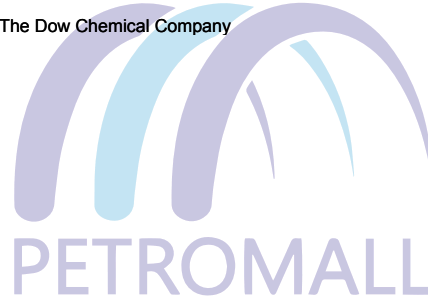
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This document is intended for use within Europe

Published: 2005-11-17

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