



# AXELERON™ GP C-0037 BK CPD

## Carbon Black Masterbatch for Jacket Applications

### Overview

AXELERON™ GP C-0037 BK is a high quality pelleted carbon black masterbatch. It is specifically designed to be compatible with polyethylene compound ("CPD") made by Dow Wire & Cable for use as black jacketing for telecom and power cables. It is a 45% carbon black masterbatch that, when properly let down in specific polyethylene resins, meets the carbon black content and dispersion requirement for telecom and power cable specifications. AXELERON™ GP C-0037 BK uses a fine particle size (20 milli microns average), low moisture absorbing carbon black pigment to obtain excellent weathering resistance in the finished product. A standard let down is 5.85% to give a 2.6% carbon black level in the final product. AXELERON™ GP C-0037 BK contains a processing aid to eliminate extrusion die drool in the final jacketing product. AXELERON™ GP C-0037 BK is for industrial use only and is not recommended for use with potable water.

### Specifications

AXELERON™ GP C-0037 BK meets stringent Dow Wire & Cable dispersion tests used for quality assurance.

### Additive

- Processing Aid: Yes

| Physical             | Nominal Value (English) | Nominal Value (SI)     | Test Method |
|----------------------|-------------------------|------------------------|-------------|
| Density              | 1.18 g/cm <sup>3</sup>  | 1.18 g/cm <sup>3</sup> | ASTM D792   |
| Carbon Black Content | 45 %                    | 45 %                   | Dow Method  |

| Extrusion        | Nominal Value (English) | Nominal Value (SI) |
|------------------|-------------------------|--------------------|
| Melt Temperature | 150 to 160 °F           | 66 to 71 °C        |

### Extrusion Notes

DFNC-0037 BK carbon masterbatch and the selected Dow natural resin should be introduced to the extruder hopper uniformly in the correct ratio to assure a 2.6% carbon black level throughout the final product. Use melt temperatures appropriate for the base resin chosen.

Hopper drying at 150-160°F (67-71°C) to remove moisture is recommended.

### 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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