

# AXELERON™ GP A-0037 BK CPD

Carbon Black Masterbatch for Jacket Applications

The Dow Chemical Company

Message:

AXELERON™GP A- 0037 BK CPD is a high quality carbon black masterbatch pellet. It is specially developed for use with Dow's polyethylene resin. These materials are used as black sheaths for telecommunications and power cables. This is a 45% carbon black masterbatch. When diluted in a specific polyethylene resin, it can meet the requirements of carbon black content and dispersion in telecommunications and power cable specifications. AXELERON™GP A- 0037 BK CPD has a small particle size (an average of 20 milli microns) and is a carbon black pigment with low hygroscopicity, which brings excellent weather resistance to the final product. 5.85% is a standard dilution, and the carbon black content in the final product is 2.6%. AXELERON™GP A- 0037 BK CPD is only used for industrial purposes and is not recommended for water pipes.

Specifications

AXELERON™GP A- 0037 BK CPD meets strict Dow wire and cable warranty tests.

General Information			
Uses	Cable sheath		
	Wire and cable applications		
	Masterbatch		
Agency Ratings	ICEA S-95-658		
	NEMA WC-70		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm³	ASTM D792
Carbon Black Content	45	%	ASTM D1603
Extrusion	Nominal Value	Unit	
Hopper Temperature	65.6 - 71.1	°C	
Extrusion instructions			

AXELERON™ GP A-0037 BK CPD 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.

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