

# AXELERON™ FO 6548 BK CPD

Black Medium Density Polyethylene Compound for Cable Jacketing

The Dow Chemical Company

Message:

AXELERON™ FO 6548 BK CPD is a prime quality, medium-density polyethylene compound ("CPD") designed for cable jacket use. It provides good processing characteristics combined with toughness, and stress crack and deformation resistance.

Specifications

AXELERON™ FO 6548 BK CPD meets the following raw material specifications:

ASTM D 1248 Type II, Class C, Category 4, Grades E6, E7, E8, E9, J4, J5

Federal LP-390C Type III, Class M, Grades 2, 3, Category 4

REA PE 39 and 89 (RAW MATERIAL SECTIONS)

General Information			
Uses	Cable Jacketing		
	Fiber Optic Cable Jacketing		
	Power Cable Jacketing		
	Telephone Drop Wire Jacketing		
	Wire & Cable Applications		
Agency Ratings	ASTM D 1248, I, Class C, Cat. 4		
	FED L-P-390C, Type III, Class M, Category 4, Grade 3		
	REA PE-39		
	REA PE-89		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.945	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.70	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (10% Igepal, F0)	> 500	hr	ASTM D1693
Carbon Black Content	2.6	%	ASTM D1603
Absorption Coefficient - (kAB/m)	> 400		ASTM D3349
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	26.9	MPa	ASTM D638
Tensile Elongation (Break)	800	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-100	°C	ASTM D746

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