



Technical Data Sheet

AXELERON™ FO 6548 BK CPD

Black Medium Density Polyethylene Compound for Cable Jacketing

Overview

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.

Sustainability Attribute:



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)

Physical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Physical	Nominal Value	Unit (English)	Nominal Value	Unit (SI)	Test Method
Density	0.945	g/cm ³	0.945	g/cm ³	ASTM D792
Melt Mass-Flow Rate (190°C/2.16 kg)	0.70	g/10 min	0.70	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (ESCR) 10% Igepal, F0	> 500	hr	> 500	hr	ASTM D1693
Carbon Black Content	2.6	%	2.6	%	ASTM D1603
Absorption Coefficient	> 400	kAB/m	> 400	kAB/m	ASTM D3349
Mechanical					
Tensile Strength	3900	psi	26.9	MPa	ASTM D638
Tensile Elongation (Break)	800	%	800	%	ASTM D638
Thermal					
Brittleness Temperature	-148	°F	-100	°C	ASTM D746

