

AXELERON™ FO 6549 NT CPD

Colorable Medium Density Polyethylene Compound for Cable Jacketing
The Dow Chemical Company

Message:

AXELERON™ FO 6549 NT CPD is a medium-density polyethylene compound ("CPD") designed for communications and power cable jacket use. It provides good electrical properties' processability combined with toughness, and stress crack resistance.

Specifications

AXELERON™ FO 6549 NT CPD meets the following raw material specifications:

ASTM D 1248 Type II, Class A, Category 4

General Information			
Uses	Fiber Optic Cable Jacketing		
	Cable sheath		
	Cable sheath		
	Wire and cable applications		
	Optical fiber cable		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.935	g/cm³	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
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	27.6	MPa	ASTM D638
Tensile Elongation (Break)	1000	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -100	°C	ASTM D746
Extrusion	Nominal Value	Unit	
Melt Temperature	204 - 227	°C	
Extrusion instructions			

Melt extrusion temperatures in the range of 400-440°F are suggested for AXELERON™ FO 6549 NT CPD.

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