AXELERON™ FO 6549 NT CPD
Colorable Medium Density Polyethylene Compound for Cable Jacketing

Overview

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

Physical	Nominal Value	(English)	Nominal Value	(SI)	Test Method
Density	0.935	g/cm³	0.935	g/cm³	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)					ASTM D1693
10% Igepal, F0	> 500	hr	> 500	hr	
Mechanical	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Tensile Strength	4000	psi	27.6	MPa	ASTM D638
Tensile Elongation (Break)	1000	%	1000	%	ASTM D638
Thermal	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Brittleness Temperature	< -148	°F	< -100	°C	ASTM D746

Extrusion	Nominal Value	(English)	Nominal Value	(SI)
Melt Temperature	400 to 440	°F	204 to 227	°C

Extrusion Notes

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

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.