



# AXELERON™ CX 1252 NT CPD

## Low Density Polyethylene Insulation Compound

### Overview

AXELERON™ CX 1252 NT CPD is a medium molecular weight, low density polyethylene insulation compound ("CPD") for use in gas-injected foam insulation for coaxial cable. DFDA-1252 NT is commonly used in combination with a high density polyethylene resin such as DGDA-6940 NT. To obtain optimal cellular structure, an additional 0.1% to 0.3% of a suitable nucleating agent is recommended such as those in DFNA-0012 NT and DFNA-0078 NT masterbatches.

AXELERON™ CX 1252 NT CPD meets the following raw material specifications:

- ASTM D 1248 Type 1, Class A, Category 3

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.919 g/cm <sup>3</sup>	0.919 g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (190°C/2.16 kg)	1.8 g/10 min	1.8 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength	1650 psi	11.4 MPa	ASTM D638
Tensile Elongation (Break)	600 %	600 %	ASTM D638
Electrical	Nominal Value (English)	Nominal Value (SI)	Test Method
Dielectric Constant (1 MHz)	2.28	2.28	ASTM D1531
Dissipation Factor (1 MHz)	2.0E-4	2.0E-4	ASTM D1531

### Notes

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

