

AXELERON™ CX 4960 NT CPD

Low Density Polyethylene Cellular Insulation Compound
The Dow Chemical Company

Message:

AXELERON™CX 4960 NT CPD is a kind of low density polyethylene material, which is used in the field of insulating materials. This application requires the material to have a good porous structure and low electrical loss. The product contains a heat-sensitive blow molding additive with a density between 0.40 and 0.48g/cm3.
AXELERON™CX 4960 NT CPD is widely used in coaxial cable applications, such as parallel two-wire cables and CATV cables.

General Information			
Uses	Cellular Insulation		
	Coaxial Cable Insulation		
	Wire and cable applications		
	Foam		
	Communication Equipment		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			ASTM D792
-- ¹	0.440	g/cm ³	ASTM D792
-- ²	0.918	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.8	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
-- ³	4.14	MPa	ASTM D638
-- ⁴	11.4	MPa	ASTM D638
Tensile Elongation			ASTM D638
Fracture ⁵	300	%	ASTM D638
Fracture ⁶	500	%	ASTM D638
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength ⁷ (3.18 mm)	8.7	kV/mm	ASTM D149
Dielectric Constant			ASTM D1531
1 MHz ⁸	1.50		ASTM D1531
1 MHz ⁹	2.28		ASTM D1531
Dissipation Factor			ASTM D1531
1 MHz ¹⁰	1.5E-4		ASTM D1531
1 MHz ¹¹	3.0E-4		ASTM D1531
Extrusion	Nominal Value	Unit	
Melt Temperature	138 - 160	°C	
Extrusion instructions			

AXELERON™ CX 4960 NT CPD provides excellent surface finish and outstanding output rates over a broad range of conditions. For optimum results, use melt extrusion temperatures in the suggested range of 280 to 320°F (138-160°C). However, specific recommendations for processing conditions can be determined only when the application and type of processing equipment are known. Please contact your local Dow Wire and Cable sales representative for such particulars.

NOTE

1.	Expanded: values largely subject to processing conditions
2.	Solid
3.	Expanded: values largely subject to processing conditions
4.	Solid
5.	Expanded: values largely subject to processing conditions
6.	Solid
7.	Method A (short time)
8.	Expanded: values largely subject to processing conditions
9.	Unexpanded
10.	Expanded: values largely subject to processing conditions
11.	Unexpanded

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT