

# AXELERON™ CS K-3364 NT CPD

High Density Polyethylene Solid Insulation Compound

陶氏塑料

## Technical Data

### 产品说明

AXELERON™ CS K-3364 NT CPD is a high-molecular weight, high-density polyethylene insulation compound ("CPD") specifically formulated to provide excellent oxidative stability, toughness, and abrasion resistance. It provides superior long term aging performance, while providing excellent environmental and thermal stress-cracking resistance. In addition, AXELERON™ CS K-3364 NT CPD provides excellent processability for high-speed wire insulating extrusion processes.

AXELERON™ CS K-3364 NT CPD provides good performance for telephone insulation applications, primarily cable designs for aerial environments. AXELERON™ CS K-3364 NT CPD is optimized to meet major international age testing standards and specifications for both solid and foam/skin insulation use.

### Specifications

AXELERON™ CS K-3364 NT CPD meets the following raw material specifications:

- ASTM D 1248 Type III Category A-4, Grade E8 and E9
- Federal LP-390 C, II-H, Grades 1 and 2, Category 4
- ISO 1872-PE, KHKN,45-D006

Telephone wire insulated with AXELERON™ CS K-3364 NT CPD, using sound commercial extrusion practices, should meet the following cable specifications:

- ICEA S-84-608
- EN-50290-2-23
- IEC 60708
- DIN VDE 0819-103
- BS 6234 type H03
- NF C 32-060

### 总体

材料状态	• 已商用：当前有效
资料 <sup>1</sup>	• <a href="#">Technical Datasheet</a>
搜索 UL 黄卡	• <a href="#">陶氏塑料</a>
供货地区	• 北美洲 • 非洲和中东 • 拉丁美洲 • 欧洲 • 亚太地区
用途	• 薄壁绝缘 • 电话绝缘体 • 电线电缆应用 • 固体绝缘 • 通信电线绝缘材料
机构评级	• ASTM D 1248, III, Class A, Cat. 4, Grade E8 • ASTM D 1248, III, Class A, Cat. 4, Grade E9 • BS 6234 Type H03 • EN 50290-2-23 • FED L-P-390C, Type II, Class H, Category 4, Grade 1 • ICEA S-84-608 • IEC 60708 • NF C 32-060
形式	• 粒子

物理性能	额定值	单位制	测试方法
密度	0.947	g/cm <sup>3</sup>	ASTM D792
熔速率 (熔体流动速率) (190°C/2.16 kg)	0.75	g/10 min	ASTM D1238
抗环境应力开裂 (100°C, 100% Igepal, F0)	> 48.0	hr	ASTM D1693
机械性能	额定值	单位制	测试方法
抗张强度	23.4	MPa	ASTM D638
伸长率 (断裂)	500	%	ASTM D638
热性能	额定值	单位制	测试方法
脆化温度 <sup>3</sup>	-76.0	°C	ASTM D746
耐热应力裂纹 - F0	> 96	hr	ASTM D2951
老化	额定值	单位制	测试方法
拉伸强度保持率 - 48 hrs (100°C)	90	%	ASTM D638



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老化	额定值 单位制	测试方法
伸长保持率 - 48 hrs (100°C)	90 %	ASTM D638
电气性能	额定值 单位制	测试方法
体积电阻率 (23°C)	> 1.0E+15 ohms·cm	ASTM D257
介电常数 (1 MHz)	2.32	ASTM D1531
耗散因数 <sup>4</sup> (1 MHz)	6.0E-5	ASTM D1531
挤出	额定值 单位制	
熔体温度	218 到 260 °C	

## 挤压说明

AXELERON™ CS K-3364 NT CPD provides excellent surface finish and good output rates over a broad range of extrusion conditions. AXELERON™ CS K-3364 NT CPD is typically extruded at melt discharge temperatures ranging from 218-260°C (425-500°F) using conductor preheats ranging from 110-140°C (230-290°F). Specific extrusion conditions can be recommended only when the application, processing speed and processing equipment details are known.

## 备注

<sup>1</sup> 通过这些链接您能够访问供应商资料。我们尽量保证及时更新资料；不过您可以从供应商处了解最新资料。

<sup>2</sup> 一般属性：这些不能被视为规格。

<sup>3</sup> F0

<sup>4</sup> After 14 days Water Immersion at 23°C (73°F)

