

# FireCon™ CPE 1240 UV RoHS NATURAL

Chlorinated Polyethylene

PolyOne Corporation

Message:

The filled flexible thermoplastic CPE sheath compound material is ideal for low-voltage power and control cables. Wire and cable manufacturers use the material for thermoplastic extrusion processing without investing in continuous vulcanization (CV) equipment. CPE 30-11 REV 2 is especially suitable for cables with larger diameters. The composite material passed the heat/seismic test. This test requires that the cable can withstand bending and twisting without cracking or compression. Good humidity characteristics, oil characteristics and electrical characteristics. The material can be used as power and control cables for fossil fuel power plants and thermal power plants.

General Information			
Additive	UV stabilizer		
Features	Flame retardancy		
Uses	Cable sheath		
	Wire and cable applications		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm <sup>3</sup>	ASTM D792
Appearance	Particles/cubes		ASTM D2090
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 10 sec)	48		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus <sup>1</sup>	8.96	MPa	ASTM D638
Tensile Strength <sup>2</sup> (Break)	16.5	MPa	ASTM D638
Tensile Elongation <sup>3</sup> (Break)	500	%	ASTM D638
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength (70°C, 24 hr, in IRM 902 oil)	60	%	IEC 60811-2-1
Change in Tensile Strain at Break (70°C, 24 hr, in IRM 902 oil)	88	%	IEC 60811-2-1
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (1.91 mm)	33	%	ASTM D2863
Additional Information			
注释:天然- 根据螺旋设计不同处于290°-330°F之间的典型加工温度.请联系技术服务部,获取特定设备的推荐.注释:推荐在175°-185°F下预干燥4小时.注释:模制厚板的典型属性(0.075");不能视为技术规格.			
NOTE			
1.	Type 4, 510mm/min		
2.	Type 4, 510mm/min		

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