

# FireCon™ CPE 30-11 REV 2

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			
Uses	Cable sheath		
	Wire and cable applications		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.29	g/cm <sup>3</sup>	ASTM D792
Appearance	Particles/cubes		ASTM D2090
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 10 sec)	42		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus <sup>1</sup>	8.27	MPa	ASTM D638
Tensile Strength <sup>2</sup> (Break)	11.7	MPa	ASTM D638
Tensile Elongation <sup>3</sup> (Break)	350	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-35.0	°C	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (1.91 mm)	30	%	ASTM D2863
Additional Information			

注释:推荐的预干燥为在175°-185°F环境下4小时.注释:根据螺旋设计不同,典型加工温度处于320° - 390°F之间.请联系技术服务部,获取特定设备的推荐.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
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3.	Type 4, 510mm/min

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