

FireCon™ CPE 30-20 RoHS Natural

Chlorinated Polyethylene

PolyOne Corporation

Message:

The filled flexible thermoplastic CPE sheath compound material is a good choice for low voltage power and cable control cables, providing wire and cable manufacturers with the advantages of thermoplastic extrusion processing without investing in continuous vulcanization (CV) equipment. CPE 30-2 Natural products make it possible for manufacturers to produce colored sheath products. This grade of products can be used to manufacture optical cables used in harsh environments. The harsh external environment requires high-performance sheaths, which are resistant to chemicals, oil and flame retardancy. This grade of product can be colored without affecting its performance. CPE 30-2 NAT products can be processed into a variety of colors using the pigment products of Pulitain.

General Information			
Features	Workability, good		
	Good chemical resistance		
	Oil resistance		
	Thermal stability, good		
	Flame retardancy		
Uses	Cable sheath		
	Wire and cable applications		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 10 sec)	37		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Ultimate)	12.8	MPa	ASTM D638
Tensile Stress (100% Strain)	7.58	MPa	ASTM D1708
Tensile Elongation ² (Break)	550	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-20.0	°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.	510 mm/min		
2.	Type 4, 510mm/min		

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