

# Borealis PE PC0798

Polyethylene

Borealis AG

Message:

PC0798 is a flame retardant crosslinking polyethylene compound for low voltage insulation.  
PC0798 is a halogenated, colorable, chemically crosslinkable copolmer compound which contains flame retardant additives to reduce normal flame spread characteristics so as to achieve a flame resisant rating when used according to the UL 44 Horizontal test on 14 AWG.

General Information			
Features	Crosslinkable		
	Good coloring		
	Flame retardancy		
Agency Ratings	UL 44		
	UL 854		
Physical	Nominal Value	Unit	Test Method
Specific Gravity <sup>1</sup>	1.16	g/cm <sup>3</sup>	ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	13.1	MPa	ASTM D412
Tensile Elongation (Break)	400	%	ASTM D412
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (150°C, 168 hr)	15	%	ASTM D573
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms · cm	ASTM D257
Dielectric Strength	> 22	kV/mm	ASTM D149
Dielectric Constant (60 Hz)	2.60		ASTM D150
Dissipation Factor (60 Hz)	2.5E-3		ASTM D150
Additional Information	Nominal Value	Unit	Test Method
Limited Oxygen Index	23	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	127	°C	
Melt Temperature	< 260	°C	
Extrusion instructions			
Barrel 6: 116°CSteam Pressure: 250 psi			
NOTE			
1.	Compound		

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