



FireCon™ CPE 0883-01 RoHS BLACK

Chlorinated Polyethylene

Key Characteristics

Product Description

CPE-0833-1 RoHS BLACK is a heavy duty thermoplastic jacket for power and control cables. It is suitable for VW1 and tray fire rated applications. CPE-0833-1 RoHS BLACK offers the highest level of fire retardance which may be of benefit for concentric neutral applications.

General

Material Status	• Commercial: Active		
Regional Availability	• Asia Pacific	• Latin America	• North America
Uses	• Cable Jacketing	• Wire & Cable Applications	
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.37	1.37	ASTM D792
Appearance	Pellets/Cubes	Pellets/Cubes	ASTM D2090
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus ²	850 psi	5.86 MPa	ASTM D638
Tensile Strength ² (Break)	1900 psi	13.1 MPa	ASTM D638
Tensile Elongation ² (Break)	450 %	450 %	ASTM D638
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore D, 10 sec)	38	38	ASTM D2240
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Oxygen Index (0.0750 in (1.91 mm))	38 %	38 %	ASTM D2863

Additional Information

Note: Pre-drying is recommended for 4 hours at 175°-185°F.

Note: Typical processing temperatures range between 320°-390°F depending upon screw design. Contact Technical Service for recommendation for specific equipment.

NOTE: Typical Properties of Molded Slab (0.075"); Not to be Construed as Specifications.

Notes

¹ Typical values are not to be construed as specifications.

² Type IV, 20 in/min (510 mm/min)

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