



FireCon™ CPE 37-36 RoHS BLACK

Chlorinated Polyethylene

Key Characteristics

Product Description

An excellent choice for low-voltage power-and-cable control cables, this RoHS compliant, flexible, black colored thermoplastic CPE jacketing compound offers wire and cable manufacturers the advantages of thermoplastic extrusion processing without the need to invest in continuous vulcanizing (CV) equipment. CPE 37-36 RoHS Black is excellent for larger-diameter cables and co-extrusion strips for cable jacketing. Good heat/shock resistance, weatherability, moisture, oil and electrical properties as well as good processibility for high cable extrusion line speed.

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	1.38	1.38	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	20 g/10 min	20 g/10 min	ASTM D1238
Appearance	Pellets/Cubes	Pellets/Cubes	ASTM D2090
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (Break)	> 1800 psi	> 12.4 MPa	ASTM D638
Tensile Elongation ² (Break)	> 250 %	> 250 %	ASTM D638
Flexural Modulus ³	> 1000 psi	> 6.89 MPa	ASTM D790
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore D)	31	31	ASTM D2240
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-36.0 °F	-37.8 °C	ASTM D746
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Oxygen Index (0.0750 in (1.91 mm))	37 %	37 %	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)

³ 0.50 in/min (13 mm/min)