



FireCon™ CPE 30-20 RoHS Natural Chlorinated Polyethylene

Key Characteristics

Product Description

CPE-30-20 RoHS NATURAL is a fast processing formulation based on chlorinated polyethylene (CPE). It has excellent low temperature brittleness, chemical resistance & flame performance, along with good balance of mechanical properties. It can be used for cable jacket for use in industrial, mining & tray cables requiring resistance to harsh environment and for the jackets to be colored. It is suitable for VW1 and tray fire rated applications.

General

Material Status	• Commercial: Active		
Regional Availability	• Asia Pacific • Europe	• Latin America • North America	
Features	• Chemical Resistant • Flame Retardant	• Good Processability • Good Thermal Stability	• Oil Resistant
Uses	• Cable Jacketing	• Wire & Cable Applications	
Forms	• Pellets		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.31	1.31	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (Ultimate)	1850 psi	12.8 MPa	ASTM D638
Tensile Stress (100% Strain)	1100 psi	7.58 MPa	ASTM D1708
Tensile Elongation ³ (Break)	550 %	550 %	ASTM D638
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore D, 10 sec)	37	37	ASTM D2240
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-4.00 °F	-20.0 °C	ASTM D746
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Oxygen Index (0.0750 in (1.91 mm))	30 %	30 %	ASTM D2863

Additional Information

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

Note: Typical processing temperatures range between 300°-370°F depending upon screw design. Contact PolyOne Wire & Cable Technical Service for specific recommendations.

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 20 in/min (510 mm/min)

³ Type IV, 20 in/min (510 mm/min)