

S&E Specialty Polymers TufGuard E™ CPE 12-020 CPE, Flame Retardant

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Application: A 90°C, oil resistant; CPE based FT4, (210,000 BTU) Wire & Cable jacketing compound with enhanced low temperature properties. Information provided by S&E Specialty Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_SE-Specialty-Polymers-TufGuard-E-CPE-12-020-CPE-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.37 g/cc	1.37 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	85.0	85.0	ASTM D2240
	@Time 15.0 sec	@Time 0.00417 hour	
Tensile Strength	12.1 MPa	1750 psi	ASTM D412
	8.47 MPa	1230 psi	Oil Aged
	@Temperature 100 °C, Time 346000 sec	@Temperature 212 °F, Time 96.0 hour	
Elongation at Break	10.89 MPa	1579 psi	Aged
	@Temperature 121 °C, Time 605000 sec	@Temperature 250 °F, Time 168 hour	
	350 %	350 %	ASTM D412
	231 %	231 %	Oil Aged
	@Treatment Temp. 100 °C, Time 346000 sec	@Treatment Temp. 212 °F, Time 96.0 hour	
	315 %	315 %	Aged
	@Treatment Temp. 121 °C, Time 605000 sec	@Treatment Temp. 250 °F, Time 168 hour	

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-33.0 °C	-27.4 °F	ASTM D746
Oxygen Index	>= 37.0 %	>= 37.0 %	ASTM D2863

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