

S&E Specialty Polymers TufGuard E™ XP-115D-Zeta PE, Flame Retardant

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Application: Chlorinated PE TPO based compound suitable for Wire and Cable applications. Information provided by S&E Specialty Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_SE-Specialty-Polymers-TufGuard-E-XP-115D-Zeta-PE-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.34 g/cc	1.34 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	94.0	94.0	ASTM D2240
	@Time 15.0 sec	@Time 0.00417 hour	
Tensile Strength	8.62 MPa	1250 psi	ASTM D412
	6.896 MPa	1000 psi	Oil Aged
	@Temperature 100 °C, Time 346000 sec	@Temperature 212 °F, Time 96.0 hour	
Elongation at Break	8.3614 MPa	1212.7 psi	Aged
	@Temperature 121 °C, Time 605000 sec	@Temperature 250 °F, Time 168 hour	
	500 %	500 %	ASTM D412
100% Modulus	450 %	450 %	Oil Aged
	@Treatment Temp. 100 °C, Time 346000 sec	@Treatment Temp. 212 °F, Time 96.0 hour	
	515 %	515 %	Aged
	@Treatment Temp. 121 °C, Time 605000 sec	@Treatment Temp. 250 °F, Time 168 hour	

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= 50.0 °C	<= 122 °F	ASTM D746
Oxygen Index	>= 27.0 %	>= 27.0 %	ASTM D2863

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