

DuPont Elvax® 40L-03 Low Smoke Non-halogen Jacket Formulation (discontinued **)

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate

Material Notes:

Elvax® 40L-03 low smoke non-halogen jackets. Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Elvax-40L-03-Low-Smoke-Non-halogen-Jacket-Formulation-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Mooney Viscosity	39	39	ML 1 + 4; ASTM D1646
	@Temperature 100 °C	@Temperature 212 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	12.0 MPa	1740 psi	Extruded wire; ASTM D412
	13.2 MPa	1910 psi	After 7 days/150°C air oven, ASTM D573
	10.32 MPa @Treatment Temp. 121 °C, Time 64800 sec	1497 psi @Treatment Temp. 250 °F, Time 18.0 hour	in ASTM #2 Oil
Elongation at Break	173.8 %	173.8 %	After 7 days/150°C air oven; ASTM D573
	220 %	220 %	Extruded wire; ASTM D412
	149.6 % @Treatment Temp. 121 °C, Time 64800 sec	149.6 % @Treatment Temp. 250 °F, Time 18.0 hour	in ASTM #2 Oil
Tear Strength	7.00 kN/m	39.9 pli	ASTM D470

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-35.0 °C	-31.0 °F	ASTM D746
NBS Smoke Density	<= 23	<= 23	Flaming mode; ASTM E662
	<= 146	<= 146	Non-flaming mode; ASTM E662
Oxygen Index	32 %	32 %	ASTM D2863

Descriptive Properties	Value	Comments
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a,a'-bis (t-butylperoxy) diisopropylbenzene Descriptive Properties		2.5 phr Value	Comments
Antioxidant		1.5 phr	
Elvax® 40L-03		100 phr	
HVA-2		1 phr	
Hydrated Alumina		150 phr	
Silquest A-172		.75 phr	
SRF Carbon Black		5 phr	
Stearic Acid		1 phr	
Volume Swell		0.58	After 18hr/121°C in ASTM #2 Oil
		0.9	After 70hr/100°C in ASTM #3 Oil

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