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Salesforce



13820

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VINYL COMPOUNDS

13820 Flexible

PRODUCT DESCRIPTION		
This flexible compound is formulated to provide excellent sunlight resistant and weatherable properties for a variety of exterior building wire, appliance wire, and insulation applications that require UL 720, TW, and Class 43 certification. This compound can service temperatures up to 75°C.		
GENERAL PROPERTIES	TYPICAL VALUE	TEST METHOD
Specific Gravity (+/- 0.02)	1.41	ASTM D-792
Hardness Delayed, Shore A (+/- 3)	82	ASTM D-2240
MECHANICAL PROPERTIES	TYPICAL VALUE	TEST METHOD
Tensile Strength, psi	2300	ASTM D-638
Tensile Strength, MPa	16	ASTM D-638
Elongation, %	350	ASTM D-638
100% Modulus, psi	1275	ASTM D-638
100% Modulus, MPa	9	ASTM D-638
THERMAL PROPERTIES	TYPICAL VALUE	TEST METHOD
Low-Temperature Brittle Point, °C	-30	ASTM D-746
FLAMMABILITY PROPERTIES	TYPICAL VALUE	TEST METHOD
Limited Oxygen Index, %	25	
ELECTRICAL PROPERTIES	TYPICAL VALUE	TEST METHOD
Volume Resistivity, ohms.cm	6.50E+14	ASTM D-257
OTHER PROPERTIES	TYPICAL VALUE	TEST METHOD
Air Aging		240h@ 100C 30mil plaques
Air Aging Elongation Retention, %	80.2	UL 1581

Revised Date:10/29/2019

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