

5/25/23, 11:19 AM

Salesforce



18780

Download as PDF



VINYL COMPOUNDS

18780 Flexible

PRODUCT DESCRIPTION		
This flexible, TPE compound is formulated to provide excellent sunlight resistant properties for a variety of tray cable, building wire, appliance wire, and jacketing applications. This compound can service temperatures up to 105°C.		
GENERAL PROPERTIES	TYPICAL VALUE	TEST METHOD
Specific Gravity (+/- 0.02)	1.37	ASTM D-792
Hardness Delayed, Shore A (+/- 3)	79	ASTM D-2240
MECHANICAL PROPERTIES	TYPICAL VALUE	TEST METHOD
Tensile Strength, psi	1675	ASTM D-638
Tensile Strength, MPa	12	ASTM D-638
Elongation, %	310	ASTM D-638
100% Modulus, psi	890	ASTM D-638
100% Modulus, MPa	6	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	
OTHER PROPERTIES	TYPICAL VALUE	TEST METHOD
Air Aging		168h@136C 30mil plaques
Air Aging Elongation Retention, %	78.6	UL 1581
ADDITIONAL INFORMATION	TYPICAL VALUE	TEST METHOD
Recommended Stock Temperature, °F	350	

Revised Date:10/29/2019

IMPORTANT: The technical data herein is believed to be accurate. It is offered for your consideration, investigation and verification. Buyer assumes all risk of use, storage and handling of the product. NO WARRANTY, EXPRESS OR IMPLIED, IS MADE INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Nothing contained herein shall be construed as a license to operate under, or recommendation to infringe, any patents.