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Salesforce



16881

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## VINYL COMPOUNDS

### 16881 Flexible

| PRODUCT DESCRIPTION                                                                                                                                                                                                                                                                                |               |                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------|
| This flexible compound is formulated to provide excellent low-temperature properties for a variety of riser, tray cable, building wire, and jacketing applications. This compound can service temperatures up to 90°C and is commonly used to address riser and fiber optic construction concerns. |               |                       |
| GENERAL PROPERTIES                                                                                                                                                                                                                                                                                 | TYPICAL VALUE | TEST METHOD           |
| Specific Gravity (+/- 0.02)                                                                                                                                                                                                                                                                        | 1.35          | ASTM D-792            |
| Hardness Delayed, Shore A (+/- 3)                                                                                                                                                                                                                                                                  | 88            | ASTM D-2240           |
| MECHANICAL PROPERTIES                                                                                                                                                                                                                                                                              | TYPICAL VALUE | TEST METHOD           |
| Tensile Strength, psi                                                                                                                                                                                                                                                                              | 2800          | ASTM D-638            |
| Tensile Strength, MPa                                                                                                                                                                                                                                                                              | 19            | ASTM D-638            |
| Elongation, %                                                                                                                                                                                                                                                                                      | 300           | ASTM D-638            |
| 100% Modulus, psi                                                                                                                                                                                                                                                                                  | 1800          | ASTM D-638            |
| 100% Modulus, MPa                                                                                                                                                                                                                                                                                  | 12            | ASTM D-638            |
| THERMAL PROPERTIES                                                                                                                                                                                                                                                                                 | TYPICAL VALUE | TEST METHOD           |
| Low-Temperature Brittle Point, °C                                                                                                                                                                                                                                                                  | -39           | ASTM D-746            |
| FLAMMABILITY PROPERTIES                                                                                                                                                                                                                                                                            | TYPICAL VALUE | TEST METHOD           |
| Limited Oxygen Index, %                                                                                                                                                                                                                                                                            | 30.5          |                       |
| OTHER PROPERTIES                                                                                                                                                                                                                                                                                   | TYPICAL VALUE | TEST METHOD           |
| Air Aging                                                                                                                                                                                                                                                                                          |               | 7d@121C 50mil plaques |
| Air Aging Elongation Retention, %                                                                                                                                                                                                                                                                  | 88            | UL 1581               |
| ADDITIONAL INFORMATION                                                                                                                                                                                                                                                                             | TYPICAL VALUE | TEST METHOD           |
| Recommended Stock Temperature, °F                                                                                                                                                                                                                                                                  | 360           |                       |

Revised Date:10/29/2019

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