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Salesforce



12805

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## VINYL COMPOUNDS

### 12805 Flexible

| PRODUCT DESCRIPTION                                                                                                                                                                                                                                               |               |                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------|
| This flexible compound is formulated to provide excellent low-temperature, sunlight resistant, and weatherable properties for a variety of exterior building wire, appliance wire, and jacketing applications. 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)                                                                                                                                                                                                                                 | 80            | ASTM D-2240             |
| MECHANICAL PROPERTIES                                                                                                                                                                                                                                             | TYPICAL VALUE | TEST METHOD             |
| Tensile Strength, psi                                                                                                                                                                                                                                             | 2250          | ASTM D-638              |
| Tensile Strength, MPa                                                                                                                                                                                                                                             | 16            | ASTM D-638              |
| Elongation, %                                                                                                                                                                                                                                                     | 365           | ASTM D-638              |
| 100% Modulus, psi                                                                                                                                                                                                                                                 | 1000          | ASTM D-638              |
| 100% Modulus, MPa                                                                                                                                                                                                                                                 | 7             | ASTM D-638              |
| THERMAL PROPERTIES                                                                                                                                                                                                                                                | TYPICAL VALUE | TEST METHOD             |
| Low-Temperature Brittle Point, °C                                                                                                                                                                                                                                 | -35           | ASTM D-746              |
| FLAMMABILITY PROPERTIES                                                                                                                                                                                                                                           | TYPICAL VALUE | TEST METHOD             |
| Limited Oxygen Index, %                                                                                                                                                                                                                                           | 23            |                         |
| OTHER PROPERTIES                                                                                                                                                                                                                                                  | TYPICAL VALUE | TEST METHOD             |
| Air Aging                                                                                                                                                                                                                                                         |               | 240h@100C 30mil plaques |
| Air Aging Elongation Retention, %                                                                                                                                                                                                                                 | 85.3          | UL 1581                 |
| ADDITIONAL INFORMATION                                                                                                                                                                                                                                            | TYPICAL VALUE | TEST METHOD             |
| Recommended Stock Temperature, °F                                                                                                                                                                                                                                 | 350           |                         |

Revised Date:10/29/2019

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