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Salesforce



Tuf-Stif 2802

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## VINYL COMPOUNDS

### Tuf-Stif 2802 Rigid

| PRODUCT DESCRIPTION                                                                                                                                                                                                                                                                                                                                                      |               |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------|
| This rigid, non-phthalate compound is formulated to provide excellent chemical and flame resistance for a variety of profile extrusion applications that require NSF 50 certification. This special purpose compound is commonly used in exterior applications that require toughness, stiffness, high-modulus, dimensional stability, colorability, and weatherability. |               |             |
| GENERAL PROPERTIES                                                                                                                                                                                                                                                                                                                                                       | TYPICAL VALUE | TEST METHOD |
| Specific Gravity (+/- 0.02)                                                                                                                                                                                                                                                                                                                                              | 1.51          | ASTM D-792  |
| Hardness Delayed, Shore D (+/- 3)                                                                                                                                                                                                                                                                                                                                        | 80            | ASTM D-2240 |
| Hardness Delayed, Rockwell R                                                                                                                                                                                                                                                                                                                                             | 104           | ASTM D-2240 |
| Cell Classification                                                                                                                                                                                                                                                                                                                                                      | 13364         | ASTM D-1784 |
| MECHANICAL PROPERTIES                                                                                                                                                                                                                                                                                                                                                    | TYPICAL VALUE | TEST METHOD |
| Tensile Yield Strength, psi                                                                                                                                                                                                                                                                                                                                              | 6500          | ASTM D-638  |
| Tensile Yield Strength, MPa                                                                                                                                                                                                                                                                                                                                              | 45            | ASTM D-638  |
| Tensile Modulus, psi                                                                                                                                                                                                                                                                                                                                                     | 700000        | ASTM D-638  |
| Tensile Modulus, MPa                                                                                                                                                                                                                                                                                                                                                     | 4826          | ASTM D-638  |
| Flexural Strength, psi                                                                                                                                                                                                                                                                                                                                                   | 12100         | ASTM D-790  |
| Flexural Strength, MPa                                                                                                                                                                                                                                                                                                                                                   | 83            | ASTM D-790  |
| Flexural Modulus, psi                                                                                                                                                                                                                                                                                                                                                    | 700000        | ASTM D-790  |
| Flexural Modulus, MPa                                                                                                                                                                                                                                                                                                                                                    | 4826          | ASTM D-790  |
| 1/8" Notched Izod Impact ft-lbs/in at 23°C                                                                                                                                                                                                                                                                                                                               | 2             | ASTM D-256  |
| THERMAL PROPERTIES                                                                                                                                                                                                                                                                                                                                                       | TYPICAL VALUE | TEST METHOD |
| Heat Deflection Temp °C at 264 psi/1.8 MPa                                                                                                                                                                                                                                                                                                                               | 74            | ASTM D-648  |
| Coefficient of Thermal Expansion 10 <sup>-5</sup> in/in °F                                                                                                                                                                                                                                                                                                               | 2.1           | ASTM D-696  |
| ADDITIONAL INFORMATION                                                                                                                                                                                                                                                                                                                                                   | TYPICAL VALUE | TEST METHOD |
| Recommended Melt Temperature, °F                                                                                                                                                                                                                                                                                                                                         | 370-390       |             |

Revised Date:10/29/2019

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