

5/25/23, 2:07 PM

Salesforce



ProTherm® 4526

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## VINYL COMPOUNDS

### ProTherm® 4526 Rigid

| PRODUCT DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                       |               |             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------|
| This rigid, non-phthalate CPVC compound is formulated to provide excellent stability and ease of processing for a variety of custom injection molding, pipe, and fitting applications that require NSF 14/50/61 and ABS certifications. This powder blend compound is commonly used in large fitting, potable water, and chemical-transfer system applications that require ASTM D-1784 cell class 23447-B certification. |               |             |
| GENERAL PROPERTIES                                                                                                                                                                                                                                                                                                                                                                                                        | TYPICAL VALUE | TEST METHOD |
| Specific Gravity (+/- 0.02)                                                                                                                                                                                                                                                                                                                                                                                               | 1.49          | ASTM D-792  |
| Cell Classification                                                                                                                                                                                                                                                                                                                                                                                                       | 23447         | ASTM D-1784 |
| Mold Shrinkage 10 <sup>-3</sup> in/in                                                                                                                                                                                                                                                                                                                                                                                     | 5-7           | ASTM D-955  |
| MECHANICAL PROPERTIES                                                                                                                                                                                                                                                                                                                                                                                                     | TYPICAL VALUE | TEST METHOD |
| Tensile Yield Strength, psi                                                                                                                                                                                                                                                                                                                                                                                               | 8010          | ASTM D-638  |
| Tensile Yield Strength, MPa                                                                                                                                                                                                                                                                                                                                                                                               | 55            | ASTM D-638  |
| Tensile Modulus, psi                                                                                                                                                                                                                                                                                                                                                                                                      | 495000        | ASTM D-638  |
| Tensile Modulus, MPa                                                                                                                                                                                                                                                                                                                                                                                                      | 3413          | ASTM D-638  |
| Flexural Strength, psi                                                                                                                                                                                                                                                                                                                                                                                                    | 13000         | ASTM D-790  |
| Flexural Strength, MPa                                                                                                                                                                                                                                                                                                                                                                                                    | 90            | ASTM D-790  |
| Flexural Modulus, psi                                                                                                                                                                                                                                                                                                                                                                                                     | 405000        | ASTM D-790  |
| Flexural Modulus, MPa                                                                                                                                                                                                                                                                                                                                                                                                     | 2792          | ASTM D-790  |
| 1/8" Notched Izod Impact ft-lbs/in at 23°C                                                                                                                                                                                                                                                                                                                                                                                | 2.5           | ASTM D-256  |
| THERMAL PROPERTIES                                                                                                                                                                                                                                                                                                                                                                                                        | TYPICAL VALUE | TEST METHOD |
| Heat Deflection Temp °C at 66 psi/0.46 MPa                                                                                                                                                                                                                                                                                                                                                                                | 106           | ASTM D-648  |
| Heat Deflection Temp °C at 264 psi/1.8 MPa                                                                                                                                                                                                                                                                                                                                                                                | 101           | ASTM D-648  |
| FLAMMABILITY PROPERTIES                                                                                                                                                                                                                                                                                                                                                                                                   | TYPICAL VALUE | TEST METHOD |
| Limited Oxygen Index, %                                                                                                                                                                                                                                                                                                                                                                                                   | 44            |             |

Revised Date:10/29/2019

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