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Salesforce



DL-5009

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## VINYL COMPOUNDS

### DL-5009 Rigid

| PRODUCT DESCRIPTION                                                                                                                                                                                                                                                                                             |               |             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------|
| This rigid, non-phthalate compound is formulated to provide excellent ease of processing for a variety of custom injection molding, pipe, and fitting applications that require NSF 14/50/61 certifications. This compound is commonly used in large part, hot runner, multi-cavity molds and DWV applications. |               |             |
| GENERAL PROPERTIES                                                                                                                                                                                                                                                                                              | TYPICAL VALUE | TEST METHOD |
| Specific Gravity (+/- 0.02)                                                                                                                                                                                                                                                                                     | 1.44          | ASTM D-792  |
| Mold Shrinkage 10 <sup>-3</sup> in/in                                                                                                                                                                                                                                                                           | 2-3           | ASTM D-955  |
| MECHANICAL PROPERTIES                                                                                                                                                                                                                                                                                           | TYPICAL VALUE | TEST METHOD |
| Tensile Yield Strength, psi                                                                                                                                                                                                                                                                                     | 7100          | ASTM D-638  |
| Tensile Yield Strength, MPa                                                                                                                                                                                                                                                                                     | 49            | ASTM D-638  |
| Tensile Modulus, psi                                                                                                                                                                                                                                                                                            | 450000        | ASTM D-638  |
| Tensile Modulus, MPa                                                                                                                                                                                                                                                                                            | 3103          | ASTM D-638  |
| Flexural Strength, psi                                                                                                                                                                                                                                                                                          | 13000         | ASTM D-790  |
| Flexural Strength, MPa                                                                                                                                                                                                                                                                                          | 90            | ASTM D-790  |
| Flexural Modulus, psi                                                                                                                                                                                                                                                                                           | 430000        | ASTM D-790  |
| Flexural Modulus, MPa                                                                                                                                                                                                                                                                                           | 2965          | ASTM D-790  |
| 1/8" Notched Izod Impact ft-lbs/in at 23°C                                                                                                                                                                                                                                                                      | 1.1           | ASTM D-256  |
| THERMAL PROPERTIES                                                                                                                                                                                                                                                                                              | TYPICAL VALUE | TEST METHOD |
| Heat Deflection Temp °C at 264 psi/1.8 MPa                                                                                                                                                                                                                                                                      | 72            | ASTM D-648  |
| ADDITIONAL INFORMATION                                                                                                                                                                                                                                                                                          | TYPICAL VALUE | TEST METHOD |
| Recommended Melt Temperature, °F                                                                                                                                                                                                                                                                                | 390-410       |             |

Revised Date:10/29/2019

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