Wednesday, May 13, 2026

# HiFill® TPX-PVDF-03009 C

Techmer Polymer Modifiers - *Polyvinylidene Fluoride*

Units SI

**Action** **Legend (Open)**

## General Information

| General | | |
|---|---|---|
| Material Status | • Commercial: Active | |
| Availability | • North America | |
| Filler / Reinforcement | • Mineral | |
| Features | • Low Shrinkage | • Low Smoke Emission |
| Appearance | • Colors Available | |
| Forms | • Pellets | |
| Processing Method | • Injection Molding | |

## Properties [1]

| Physical | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Density / Specific Gravity | 1.79 | g/cm³ | ASTM D792 |
| Molding Shrinkage - Flow (3.18 mm) | 2.1 | % | ASTM D955 |
| Water Absorption (24 hr) | 0.020 | % | ASTM D570 |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Strength (Yield) | 37.2 | MPa | ASTM D638 |
| Tensile Elongation (Yield) | 40 | % | ASTM D638 |
| Flexural Modulus | 2830 | MPa | ASTM D790 |
| Flexural Strength | 60.7 | MPa | ASTM D790 |
| **Impact** | **Nominal Value** | **Unit** | **Test Method** |
| Notched Izod Impact (23°C, 3.18 mm) | 110 | J/m | ASTM D256 |
| **Hardness** | **Nominal Value** | **Unit** | **Test Method** |
| Rockwell Hardness (R-Scale) | 104 | | ASTM D785 |
| **Thermal** | **Nominal Value** | **Unit** | **Test Method** |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 157 | °C | ASTM D648 |
| CLTE - Flow | 7.2E-5 | cm/cm/°C | ASTM D696 |
| **Electrical** | **Nominal Value** | **Unit** | **Test Method** |
| Volume Resistivity | 1.0E+14 | ohms·cm | ASTM D257 |
| **Flammability** | **Nominal Value** | **Unit** | **Test Method** |
| Flame Rating (1.5 mm) | V-0 | | UL 94 |

## Notes

[1] Typical properties: these are not to be construed as specifications.

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