Sunday, September 20, 2026

# MHCompounds PVDF - Powder
# DS203 PVDF

Units SI

**M. Holland Company - *Polyvinylidene Fluoride***

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

## General Information

**Product Description**

DS203 is a low molecular weight, high melt flow rate homopolymer of vinylidene fluoride for powder coating. DS203 is an odorless white powder. It has high corrosion resistance against acids, alkalis, strong oxidizers, and halogens. DS203 is resistant to ultraviolet light and radiation. It has good chemical stability performance with aliphatic and aromatic hydrocarbons, aldehydes, alcohols and other organic solvents.

Application
DS203 is a PVDF resin used to produce fluoropolymer coatings.

| **General** | | | |
|---|---|---|---|
| Material Status | • Commercial: Active | | |
| Availability | • Asia Pacific | • Europe | • North America |
| Features | • Chemical Resistant<br>• Corrosion Resistant<br>• High Flow | • Homopolymer<br>• Low Molecular Weight<br>• Low Odor | • Radiation (Gamma) Resistant<br>• UV Resistant |
| Uses | • Coating Applications | | |
| Appearance | • White | | |
| Forms | • Powder | | |

## Properties [1]

| **Physical** | **Nominal Value** | **Unit** | **Test Method** |
|---|---|---|---|
| Density / Specific Gravity | 1.77 to 1.79 | g/cm³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (372°C/2.16 kg) | 8.0 to 15 | g/10 min | ASTM D1238 |
| Moisture | 0.10 | % | HG/T 2902 |
| Purity | > 99.5 | % | FTIR |
| **Thermal** | **Nominal Value** | **Unit** | **Test Method** |
| Peak Melting Temperature | 165 to 175 | °C | ASTM D3418 |
| **Additional Information** | **Nominal Value** | **Unit** | **Test Method** |
| Thermal Decomposition Temperature [2] | > 380 | °C | TGA |

## Notes

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

[2] 1% Wt. Loss

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