Sunday, September 20, 2026

MHCompounds PVDF - Pellets
TTPVDF25

Units SI

M. Holland Company - *Polyvinylidene Fluoride*

Action **Legend (Open)**

General Information

Product Description

TTPVDF25 is a low viscosity, melt processable, homopolymer of vinylidene fluoride. It has high mechanical strength, toughness and corrosion resistance. TTPVDF25 exhibits good extrusion processing characteristics and can be readily injection molded. Conformable to Q/DYS 014-2015 TTPVDF25 is readily pigmented to a variety of colors using PVDF based wire and cable color concentrates.

Application
TTPVDF25 is intended for use as high temperature wire insulation and cable jacket. TTPVDF25 is also used in tubing, film, injection molding and transfer molding applications.

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• Corrosion Resistant • Good Colorability • Good Processability	• High Heat Resistance • High Strength • High Toughness	• Homopolymer • Low Viscosity
Uses	• Film	• Tubing	• Wire & Cable Applications
Processing Method	• Extrusion	• Injection Molding	

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) (230°C/5.0 kg)	> 25	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength	35.0	MPa	ASTM D638
Tensile Elongation (Break)	25	%	ASTM D638
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	70 to 80		ASTM D2240
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 N2

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