

# 3M™ Dyneon™ Fluoroplastic THV 505ESDZ

Fluoroelastomer

3M Advanced Materials Division

## Message:

Dyneon™ THV 505 ESD Z Fluorothermoplastic is a flexible, fluoroplastic compound composed of tetrafluoroethylene, hexafluoropropylene and vinylidene fluoride in the form of pellets. It provides a balance of low temperature processing, low flammability, thermal stability and melt processability along with electrostatic dissipative properties. It can be used to prepare molded parts and extruded films, tubes and profiles. It is useful for applications that require electrostatic dissipation, flexibility, low temperature processing and good chemical resistance.

General Information	
Features	Bondability
	Flame Retardant
	Good Chemical Resistance
	Good Flexibility
	Good Thermal Stability
Uses	Film
	Profiles
	Tubing
Forms	Pellets
Processing Method	Film Extrusion
	Injection Molding
	Profile Extrusion

Physical	Nominal Value	Unit	Test Method
Density	1.97	g/cm <sup>3</sup>	ISO 12086
Melt Mass-Flow Rate (MFR)	5.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	15.0	MPa	ISO 527-1
Tensile Strain (Break)	310	%	ISO 527-1
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	165	°C	ISO 12086

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: [sales@su-jiao.com](mailto:sales@su-jiao.com)

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

