

## 3M Dyneon™ THV 221AZ Fluoroplastic Agglomerate

Category : Polymer , Thermoplastic , Fluoropolymer

**Material Notes:**

3M™ Dyneon™ Fluoroplastic Agglomerate THV 221AZ is a flexible, transparent fluoroplastic composed of tetrafluoroethylene, hexafluoropropylene, and vinylidene fluoride in the form of agglomerate or coarse powder. It is soluble in ketones, esters, or ethers and can be used to prepare solutions to coat a range of substrates to provide surfaces with good weatherability and anti-soiling properties. This agglomerate form can also be used for compounding. Dyneon THV 221AZ processes at relatively low temperatures compared to other fluoroplastics and may not require the same level of corrosion resistant equipment as that used with higher melting fluoroplastics. However, it should be remembered that THV is a fluoroplastic and should be treated accordingly. Features and Benefits: Solvent soluble for coating applications Ultra flexible of THV grades, no plasticizers needed High transparency Low flammability Melting point compatible with many substrates for co-extrusion, compounding, or coating Bondable to itself and other substrates Compounding versatility Information provided by the Dyneon division of 3M.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_3M-Dyneon-THV-221AZ-Fluoroplastic-Agglomerate.php](http://www.lookpolymers.com/polymer_3M-Dyneon-THV-221AZ-Fluoroplastic-Agglomerate.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.93 g/cc	1.93 g/cc	ASTM D792
Melt Flow	20 g/10 min @Load 5.00 kg, Temperature 265 °C	20 g/10 min @Load 11.0 lb, Temperature 509 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	20.0 MPa	2900 psi	film; ASTM D638
Elongation at Break	600 %	600 %	ASTM D638
Flexural Modulus	0.0800 GPa	11.6 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	115 °C	239 °F	ASTM D4591

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

## Contact Songhan Plastic Technology Co.,Ltd.

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