

3M Dyneon™ THV 610GZ Fluoroplastic Granules

Category : Polymer , Thermoplastic , Fluoropolymer

Material Notes:

3M™ Dyneon™ Fluoroplastic Granules THV 610GZ provides a balance of low permeation, thermal stability, and melt processability. It can be used to prepare molded parts and extruded films, tubes, profiles and wire coatings. It is useful for applications that require flexibility and good chemical resistance. This product processes at higher temperatures than that of 3M THV grades; therefore, the use of corrosion - resistant equipment is suggested. Features and Benefits: Excellent flexibility Higher transparency Excellent chemical permeation resistance Bondable to itself and other substrates (for multi-layer constructions) Processing profile allows co-processing with other plastics and hydrocarbon elastomers Information provided by the Dyneon division of 3M.

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Dyneon-THV-610GZ-Fluoroplastic-Granules.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.04 g/cc	2.04 g/cc	ASTM D792
Melt Flow	10 g/10 min @Load 5.00 kg, Temperature 265 °C	10 g/10 min @Load 11.0 lb, Temperature 509 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	56	56	ASTM D2240
Tensile Strength at Break	28.0 MPa	4060 psi	ASTM D638
Elongation at Break	500 %	500 %	ASTM D638
Flexural Modulus	0.490 GPa	71.1 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	185 °C	365 °F	ASTM D4591

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