

ELASTO UK Dryflex® 8010-102 Flame Retardant TPE for Injection Molding, Pebble Gray

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Elastomer, Melt-Processible Rubber

Material Notes:

Dryflex® thermoplastic elastomers combine the performance of most vulcanized rubber with the process properties of thermoplastics.

Dryflex® compounds permit sophisticated component design and thus will support a wide and flexible range of products. Flame retardant compounds will extend the application areas where resistance to ignition and burning are important features, while their performance characteristics in processing and finished component operation are of the same standard as the Dryflex® general-purpose grades. The flame retardant compounds show an excellent resistance to a variety of polar fluids, such as water, aqueous systems and alcohols. However, in non-polar fluids, such as oil, resistance diminishes with increasing aromatic content. Weathering, including UV stability and ozone resistance is excellent. Processing: The flame retardant grades of Dryflex® can easily be processed using conventional thermoplastic equipment for injection molding as well as other fabricating methods. The thermoplastic characteristics result in faster processing times and complete scrap recycling. The flame retardant compounds do not require pre-drying prior to processing. Information from Vita Thermoplastic Polymers (VTP). Vita Thermoplastic Polymers was acquired by HEXPOL and is now ELASTO

Order this product through the following link:

http://www.lookpolymers.com/polymer_ELASTO-UK-Dryflex-8010-102-Flame-Retardant-TPE-for-Injection-Molding-Pebble-Gray.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.24 g/cc	1.24 g/cc	ISO 2781
Melt Flow	16 g/10 min	16 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50	50	ISO 868
Tensile Strength at Break	3.70 MPa	537 psi	ISO 37
Elongation at Break	640 %	640 %	ISO 37
100% Modulus	0.00120 GPa	0.174 ksi	ISO 37
Tear Strength	16.0 kN/m	91.3 pli	Method C; ISO 34
Compression Set	20 %	20 %	Method B, at 23°C, 24 hrs; ISO 815

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-2	V-2	
	@Thickness 1.00 - 2.00 mm	@Thickness 0.0394 - 0.0787 in	

Descriptive Properties	Value	Comments
Color	Pebble Gray	

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