

Solvay Specialty Polymers Hyflon® PFA P7010 Perfluoroalkoxy (PFA) (Unverified Data**)

Category : Polymer , Thermoplastic , Fluoropolymer , PFA

Material Notes:

Hyflon® PFA P7010 is a clear, semi-crystalline melt processable perfluorinated resin. It is designed for electrostatic powder coatings and is particularly recommended for use as a topcoat in antistick applications. Hyflon® PFA P7010 exhibits very low surface energy, very low coefficient of friction and excellent thermal and flame resistance. Additionally Hyflon® PFA P7010 coatings show excellent smooth surface finish, outstanding antistick behavior and can maintain performance over a wide temperature range. Main features of Hyflon® PFA P7010 include: - Very low surface energy - Excellent antistick behaviour - Very low coefficient of friction - Very good surface finish - Outstanding thermal resistance.

Additional Information: Processing - Hyflon® PFA P7010 is intended as a topcoat material to apply to primed substrates. It can be processed using normal electrostatic powder coating techniques. Generally the procedure involves substrate preparation, coating, baking and cooling. - Hyflon® PFA P7010 can be used neat and without any further formulation. Several passes may be required to obtain the desired PFA load and build up coating thickness without defects. - Substrate preparation, gun parameters such as voltage and both oven temperature and time must all be well controlled to achieve defect free coated items.

Storage and Handling - Hyflon® melt processable fluoropolymer resins can be stored without shelf life issues when kept in a clean and dry area at ambient temperatures. Opened containers should be tightly resealed to prevent any contamination.

Safety and Toxicology - Before using Hyflon® melt processable fluoropolymer resins consult the product Material Safety Data Sheet and follow all label directions and handling precautions. - As with all fluoropolymer materials, handling and processing should only be carried out in well ventilated areas. Vapor extractor units should be installed above processing equipment. Fumes must not be inhaled and eye and skin contact ought to be avoided. In case of skin contact wash with soap and water. In case of eye contact flush with water immediately and seek medical help. Do not smoke in areas contaminated with powder, vapor or fumes. - See Material Safety Data Sheet for detailed advice on waste disposal methods.

Packaging - Hyflon® PFA P7010 is packaged in 10kg non returnable drums. Each drum has two bags liner made of polyethylene resin. Information provided by Solvay Specialty Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Hyflon-PFA-P7010-Perfluoroalkoxy-PFA-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.15 g/cc	2.15 g/cc	ASTM D792
Particle Size	25 µm	25 µm	Laser Diffraction; Internal Method
Melt Flow	10 - 17 g/10 min @Load 5.00 kg, Temperature 372 °C	10 - 17 g/10 min @Load 11.0 lb, Temperature 702 °F	ASTM D1238

Thermal Properties	Metric	English	Comments
Melting Point	300 - 310 °C	572 - 590 °F	ASTM D4591

Descriptive Properties	Value	Comments
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Appearance Descriptive Properties	Clear/Transparent Value	Comments
Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Features	Good Surface Finish	
	Good Thermal Stability	
	Low Friction	
	Semi Crystalline	
Forms	Powder	
Generic	PFA	
Processing Method	Coating	
Uses	Coating Applications	

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