Solvay Specialty Polymers Halar® 9414 Polyethylene, Chlorotrifluoroethylene (ECTFE) (Unverified Data**)&l

Category : Polymer , Thermoplastic , Fluoropolymer , ETFE/ECTFE , ECTFE Fluoropolymer

Material Notes:

Halar® 9414 is a filled, pearl-white, semicrystalline melt processable fluorinated resin. It is designed for electrostatic powder coatings and can be used as a primer, intermediate or topcoat in protection and anti-corrosion applications. Halar® 9414 provides superior water vapour permeation resistance compared to Halar® 6014. It also exhibits very good chemical, electrical and thermal properties. Additionally Halar® 9414 coatings show very good surface finish and hardness. Main features of Halar® 9414 include: - Superior permeation resistance - Very good chemical resistance - Very good thermal properties - Very good surface characteristics - Optimum flame resistanceAdditional Information: Processing - Halar® 9414 can be processed using normal electrostatic powder coating techniques. Generally the procedure involves substrate preparation, spray coating, baking and cooling. Depending on the application further processing can be carried out. Several passes maybe required to obtain the desired Halar® load and build up coating thickness. - Halar® 9414 can be used neat and without any further formulation. 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 - Halar® 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 Halar® melt processable fluoropolymer resins consult the product Material Safety Data Sheet and follow all label directions an 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 - Halar® 9414 is packaged in 25kg 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-Halar-9414-Polyethylene-Chlorotrifluoroethylene-ECTFE-nbspUnverified-Datal.php

Physical Properties	Metric	English	Comments
Density	1.68 g/cc	0.0607 lb/in³	ASTM D3275
Particle Size	28 µm	28 µm	Method C; Internal Method
Melt Flow	1.0 g/10 min @Load 2.16 kg, Temperature 275 °C	1.0 g/10 min @Load 4.76 lb, Temperature 527 °F	ASTM D3275

Thermal Properties	Metric	English	Comments
Melting Point	242 °C	468 °F	ASTM D3275

Descriptive Properties	Value	Comments
Appearance	White	

Descriptive Properties	Value	Comments
Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Features	Good Chemical Resistance	
	Good Corrosion Resistance	
	Good Electrical Properties	
	Good Surface Finish	
	Good Thermal Stability	
	High Hardness	
	Semi Crystalline	
Filler	Unspecified FillerReinfor.	
Forms	Powder	
Generic	ECTFE	
Processing Method	Coating	
Uses	Coating Applications	

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