Solvay Specialty Polymers Halar® 6614 Polyethylene, Chlorotrifluoroethylene (ECTFE) (Unverified Data**)&l

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

Material Notes:

Halar® 6614 is a green, semi-crystalline melt processable fluorinated primer. It is designed to be applied directly to substrates by electrostatic or fluidized bed techniques. In particular Halar® 6614 is recommended for use as a primer in protection and anti-corrosion applications. Halar® 6614 provides optimum and rapid bonding and can be used to maximize topcoat adhesion performance. It also exhibits both outstanding permeation and flame resistance, very good thermal properties and very good chemical resistance. Main features of Halar® 6614 include: - Green color - Optimum and rapid adhesion - Outstanding permeation resistance - Optimum flame resistance - Very good thermal properties - Very good chemical resistanceAdditional Information: Processing - Halar® 6614 is intended as a primer material to apply directly to substrates. It can be processed using either conventional electrostatic powder coating or fluidized bed equipment. - In the case of electrostatic coating the procedure involves substrate preparation, spray coating, baking and cooling. Several passes maybe required to obtain the desired Halar® load and ensure pin-hole free coatings. Alternatively using fluidized bed equipment preheated items can be coated by dipping directly into the fluidized powder followed by baking. The dipping and baking operation can be repeated to achieve multiple coats and build up the desired coating thickness. - Halar® 6614 can be used neat and without any further formulation. For both techniques, substrate preparation, preheating, coating and baking parameters must all be well controlled to achieve defect free coated items and optimum adhesion. 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® 6614 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-6614-Polyethylene-Chlorotrifluoroethylene-ECTFE-nbspUnverified-Datal.php

Physical Properties	Metric	English	Comments
Density	1.68 g/cc	0.0607 lb/in³	ASTM D3275
Particle Size	80 µm	80 µm	Method C; ASTM D1921
Melt Flow	12 g/10 min @Load 2.16 kg, Temperature 275 °C	12 g/10 min @Load 4.76 lb, Temperature 527 °F	ASTM D3275

Thermal Properties	Metric	English	Comments
Melting Point	225 °C	437 °F	ASTM D3275

Descriptive Properties	Value	Comments
Appearance	Green	
Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Features	Bondability	
	Good Adhesion	
	Good Chemical Resistance	
	Good Corrosion Resistance	
	Good Thermal Stability	
	Semi Crystalline	
Forms	Powder	
Generic	ECTFE	
Processing Method	Coating	
Uses	Bonding	
	Coating Applications	

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