Halar® 6014

ethylene chlorotrifluoroethylene copolymer

Halar® 6014 is a clear, semi-crystalline melt processable fluorinated resin. It is designed for electrostatic powder coatings and is particularly recommended for use as a topcoat in protection and anti-corrosion applications.

Halar® 6014 exhibits very good chemical, electrical and thermal properties. It is exceptionally pure, easily processed and has optimum permeation and flame resistance. Additionally Halar® 6014 coatings show very good surface finish and hardness.

Main features of Halar® 6014 include:

- Very good chemical resistance
- Very good thermal properties
- Optimum permeation resistance
- Outstanding flame resistance
- Very good surface characteristics
- Purity

General		
Material Status	• Commercial: Active	
Availability	• Africa & Middle East • Asia Pacific • Europe	• Latin America • North America
Features	• Chemical Resistant • Corrosion Resistant • Flame Retardant • Good Electrical Properties • Good Processability	• Good Surface Finish • Good Thermal Stability • High Purity • Semi Crystalline
Uses	• Coating Applications	
Appearance	• Clear/Transparent	
Forms	• Powder	
Processing Method	• Coating	

Physical	Typical Value	Unit	Test method
Density	1.68	g/cm³	ASTM D3275
Melt Mass-Flow Rate (MFR) (275°C/2.16 kg)	12	g/10 min	ASTM D3275
Average Particle Size	85	µm	ASTM D1921

Thermal	Typical Value	Unit	Test method
Melting Temperature	224	°C	ASTM D3275

Additional Information

Processing

- Halar® 6014 is intended as a topcoat material to apply to primered substrates. It can be processed using normal electrostatic Spray Deposition Powder coating techniques. Generally the procedure involves substrate preparation, powder 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® 6014 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 fluropolymer 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 fluropolymer 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, vapour or fumes.
- See Material Safety Data Sheet for detailed advice on waste disposal methods.

Packaging

- Halar® 6014 is packaged in 25kg non returnable drums. Each drum has two bags liner made of polyethylene resin.

Notes

Typical properties: these are not to be construed as specifications.

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www.syensqo.com

Safety Data Sheets (SDS) are available by emailing us or contacting your sales representative. Always consult the appropriate SDS before using any of our products.

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