

Halar® 6014F

ethylene chlorotrifluoroethylene copolymer

Halar® 6014F 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® 6014F exhibits very good chemical, electrical and thermal properties. It is exceptionally pure, easily processed and has optimum permeation and flame resistance. Additionally Halar® 6014F coatings can be used to achieve higher coating

thickness compared to Halar® 6014 with very good surface finish and hardness.

Main features of Halar® 6014F include:

- High build up
- 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 • Good Electrical Properties • Good Processability • Good Surface Finish	• Good Thermal Stability • High Hardness • 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)	7.0	g/10 min	ASTM D3275
Average Particle Size	85	µm	ASTM D1921

Thermal	Typical Value	Unit	Test method
Melting Temperature	225	°C	ASTM D3275

Halar® 6014F

ethylene chlorotrifluoroethylene copolymer

Additional Information

Processing

- Halar® 6014F is intended as a topcoat material to apply to primed 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® 6014F 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 and handling precautions.
- As with all fluoropolymer materials, handling and processing should only be carried out in well ventilated areas. Vapour 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® 6014F 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.

Halar® 6014F

ethylene chlorotrifluoroethylene copolymer

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.

Neither Syensqo nor any of its affiliates makes any warranty, express or implied, including merchantability or fitness for use, or accepts any liability in connection with this product, related information or its use. Some applications of which Syensqo's products may be proposed to be used are regulated or restricted by applicable laws and regulations or by national or international standards and in some cases by Syensqo's recommendation, including applications of food/feed, water treatment, medical, pharmaceuticals, and personal care. Only products designated as part of the Solviva® family of biomaterials may be considered as candidates for use in implantable medical devices. The user alone must finally determine suitability of any information or products for any contemplated use in compliance with applicable law, the manner of use and whether any patents are infringed. The information and the products are for use by technically skilled persons at their own discretion and risk and does not relate to the use of this product in combination with any other substance or any other process. This is not a license under any patent or other proprietary right.

All trademarks and registered trademarks are property of the companies that comprise the Syensqo or their respective owners.

© 2024 2023 Syensqo. All rights reserved.

