

# Halar® 6614

## ethylene chlorotrifluoroethylene copolymer

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 resistance

### General

Material Status	• Commercial: Active	
Availability	• Africa & Middle East • Asia Pacific • Europe	• Latin America • North America
Features	• Bondability • Chemical Resistant • Corrosion Resistant	• Good Adhesion • Good Thermal Stability • Semi Crystalline
Uses	• Bonding	• Coating Applications
Appearance	• Green	
Forms	• Powder	
Processing Method	• Coating	

### Physical

	Typical Value	Unit	Test method
Density	1.68	g/cm <sup>3</sup>	ASTM D3275
Melt Mass-Flow Rate (MFR) (275°C/2.16 kg)	12	g/10 min	ASTM D3275
Average Particle Size	80	µm	ASTM D1921

### Thermal

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

# Halar® 6614

## ethylene chlorotrifluoroethylene copolymer

---

### Additional 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 may be 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 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® 6614 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® 6614

ethylene chlorotrifluoroethylene copolymer

---

---

**[www.solvay.com](http://www.solvay.com)**

[SpecialtyPolymers.EMEA@solvay.com](mailto:SpecialtyPolymers.EMEA@solvay.com) | Europe, Middle East and Africa

[SpecialtyPolymers.Americas@solvay.com](mailto:SpecialtyPolymers.Americas@solvay.com) | Americas

[SpecialtyPolymers.Asia@solvay.com](mailto:SpecialtyPolymers.Asia@solvay.com) | Asia and Australia

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 Solvay Specialty Polymers 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 Solvay'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 Solvay'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 Solvay Group or their respective owners.

© 2019 Solvay Specialty Polymers. All rights reserved.

