

Halar® 2408DA

ethylene chlorotrifluoroethylene copolymer

Halar® 2408DA is a filled, pearl-white, semicrystalline melt processable fluorinated resin that may be used in full compliance with the federal Food, Drug, and Cosmetic Act. It is designed for electrostatic powder coatings and is particularly recommended for use in protection and anti-corrosion applications where food contact compliance is required.

Halar® 2408DA provides superior water vapor permeation resistance compared to Halar® 6014. It also exhibits very good chemical, electrical and thermal properties. Additionally Halar® 2408DA coatings show very good surface finish and hardness.

Main features of Halar® 2408DA include:

- Food contact compliance
- 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
Filler / Reinforcement	• Filler	
Features	• Chemical Resistant • Corrosion Resistant • Food Contact Acceptable • Good Electrical Properties • Good Surface Finish	• Good Thermal Stability • High Hardness • High Purity • Semi Crystalline
Uses	• Coating Applications	
Appearance	• White	
Forms	• Powder	
Processing Method	• Coating	

Physical	Typical Value	Unit	Test method
Density	1.68	g/cm ³	ASTM D3275
Melt Mass-Flow Rate (MFR) (275°C/2.16 kg)	12	g/10 min	ASTM D3275
Average Particle Size	80	µm	Internal Method
Thermal	Typical Value	Unit	Test method
Melting Temperature	227	°C	ASTM D3275

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Additional Information

Processing

- Halar® 2408DA 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® 2408DA 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® 2408DA is packaged in 25kg non returnable drums. Each drum has two bags liner made of polyethylene resin.
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Notes

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