Halar® 2508DA

ethylene chlorotrifluoroethylene copolymer

Halar® 2508DA is a filled, black, semi-crystalline 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 as an antistatic coating in protection and anti-corrosion applications.

Halar® 2508DA exhibits very good chemical and thermal properties. It easily processed and has optimum permeation and flame resistance. Additionally Halar® 2508DA show very good surface finish.

Main features of Halar® 2508DA include:

- Black color
- Antistatic properties
- Food contact compliance
- Very good chemical resistance
- Very good thermal properties
- Optimum permeation resistance
- Outstanding flame resistance

General

Material Status	• Commercial: Active	
Availability	• Africa & Middle East • Asia Pacific • Europe	• Latin America • North America
Features	• Antistatic • Chemical Resistant • Corrosion Resistant • Flame Retardant • Food Contact Acceptable	• Good Processability • Good Surface Finish • Good Thermal Stability • Semi Crystalline
Uses	• Coating Applications	
Appearance	• Black	
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 [1]	80	µm	ASTM D1921

Thermal	Typical Value	Unit	Test method
Melting Temperature	227	°C	ASTM D3275

Additional Information

Processing

- It 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® 2508DA 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® 2508DA is packaged in 20kg non returnable drums. Each drum has two bags liner made of polyethylene resin.

Notes

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

[1] Method C