

Halar® XPH-940

ethylene chlorotrifluoroethylene copolymer

Halar® XPH-940 is a waterborne ECTFE dispersion intended as a primer for use with Halar® XPH-931 waterborne topcoat. It can be applied with a standard liquid spray gun. Halar® XPH-940 provides optimum and rapid bonding and can be used to maximize adhesion consistency. Main features of Halar® XPH-940 include:

- Light brown color
- Optimum and rapid adhesion
- 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 • Corrosion Resistant	• Good Adhesion • Good Thermal Stability
Uses	• Bonding	• Coating Applications
Appearance	• Light Brown	
Forms	• Dispersion	
Processing Method	• Wet Spray Coating	

Physical

	Typical Value	Unit	Test method
Density	1.12	g/cm ³	ASTM D3275
Solids Content	32.0	wt%	

Thermal

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

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Additional Information

Processing

- Halar® XPH-940 can be used as primer of Halar® XPH-931 waterborne topcoat to ensure good adhesion development. It can be applied with a standard liquid spray gun and can be used neat and without any further formulation. Generally, the procedure involves substrate preparation, application of a thin layer of Halar® XPH-940, followed either by several passes (i.e., depending on application) of Halar® XPH-931 topcoat.

Storage and Handling:

- Halar® XPH-940 must be stored under suitable temperature conditions to ensure prolonged stability. Temperatures lower than 5°C must be avoided to prevent irreversible settling. Also, some settling may occur on prolonged standing and/or heat exposure. It is therefore strongly recommended that the product is always kept at temperatures below 35°C. The optimum storage temperature range is 10-25°C. It is also advisable that the product is homogenized by gentle rolling or stirring once per month and prior to use. To avoid contamination, it is also recommended to keep the containers closed when not in use.

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, vapor or fumes. See Material Safety Data Sheet for detailed advice on waste disposal methods.
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Notes

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