

XFN 1050

Bio Polymeric Alkenyl-Phenol based Novolac

DESCRIPTION

The XFN 1050 is a bio and recycled polymeric alkenyl-phenolic novolac, offering capabilities as a toughening agent, anti-oxidant and corrosion resistant agent.

In epoxy formulations, it hardens in presence of an added amine or imidazole.

The long 15C side-chain tends to increase the mechanical-flexibility of the system, but also to improve the resin adhesion to even hard-to-stick substrates, such as acrylic paints, natural-fibers.

The viscosity of the 1050 is low enough to act as a diluent.

BENEFITS & PROPERTIES

- Aromatic low-viscosity compatibilizer
- Supports adhesion to hard-to-stick surfaces
- Offers resistance to acids, temperature, fire and moisture
- Offers superior thermal stability
- Non-estrogenic, safe

Typical Properties ¹	Method	Unit	Value
Appearance	Gardner	-	16 to 18
Viscosity	ASTM D 4878	cps	900 to 1300
Functionality	-	-	4
Hydroxyl Number	ASTM E 222	mg KOH/g	280-320
Density @ 25°C	ASTM D 1475	g/ml	0.95
Water (Karl Fischer)	ASTM E 203	%	0.2-0.3
Bio-based content	ASTM D 6866	%	95

(1) Typical properties are not to be construed as specifications.

STORAGE AND STABILITY

XFN 1050 could absorb water slowly over time, especially in humid environments. Containers should be kept closed and protected from contamination with moisture and foreign materials. Storage temperatures recommended are 20-25°C.

HEALTH AND SAFETY CONSIDERATION

Please consult the Material Safety Data Sheet of the product to ensure that the proper precautions are being followed prior to the handling and/or use of XFN-1050.

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Note: The data submitted in this TDS are based on our current knowledge and experience. They do not constitute a guarantee in the legal sense of the term and, in view of the many factors that may affect processing and application, do not relieve those to whom they are supplied from the responsibility of carrying out their own tests.