

# TECHNICAL DATA SHEET



## Bakelite® PF 0715 LG

### Product Description

Type: Bisphenol-A resole, etherified, 70 % in n-butanol  
Delivery form: Liquid  
Packaging: IBC (Totes), Drum

Compatible with: aminoplasts, epoxy resins, polyvinyl butyrals

Limited dilutable with: aliphatic hydrocarbons

Mostly dilutable with: alcohols, aromatic hydrocarbons, esters, glycol ethers, ketones

### Application Areas/Suggested Uses

- Coatings: Can coatings, Electrically insulating varnishes.

Additional information: This resin is very good compatible with epoxy resins type 7 or 9 in a ratio of 80 : 20 to 60 : 40 epoxy resins : phenolic resins (solid-solid). With few amounts of phosphoric acid as catalyst good cured films can be achieved, that have a good adhesion and elasticity. The sterilisation resistance is good.

### Benefits

- Coatings
- Higher chemical resistance
- Good resistance against sterilization
- Reduced odor (or no smell)
- Lighter color (cured coating)
- FDA compliant
- EU compliance for food contact

### Typical Properties

Property	Value	Unit
Color (Gardner)	≤ 12	-
Free formaldehyde content	≤ 0.9	%
Solid content (3 g/1 h/135 °C)	66 - 70	%
Viscosity (Brookfield) at 20 °C	1900 - 2500	mPa·s

## Additional Properties Determined at Design

Property	Value	Unit
Flash point	approx. 34	°C
Free BPA content	< 0.2	%
Specific gravity at 20 °C	approx. 1.02	g/cm <sup>3</sup>

All tests are conducted in accordance with the current Bakelite Standard Test Methods which are available upon request.

## Storage recommendations

This product is a heat-reactive material and generally stable for a period of approximately 12 months when stored unopened indoors at 18 - 21 °C (64 - 70 °F). Opened packaging should be resealed as tightly as possible to prevent contamination from foreign matter. We recommend product storage at low temperature and rapid stock turnover. Color change in the product over a period of time is normal.

While Bakelite® ensures that products shipped meet specifications, product exposure to the elements during shipping and subsequent storage may impact product performance. To ensure that the product is still usable after an extended storage period, it is recommended to check the product is still within the specification limits.

These resins are heat-reactive products whose properties (viscosity, water dilutability, etc.) will change with time and temperature. In some applications, a higher viscosity and/or lower water dilutability could lead to processing issues. The useful life of the product must be verified by the user.

## Safety and Handling

This product must be used and disposed off according to the indications given in the safety data sheet.

## Contact Information

For additional information, please reach out to your Bakelite® representative or contact us through our website [www.bakelite.com](http://www.bakelite.com).