

Bakelite PF 7649 CL

Chemical characteristic	nonylphenol novolak
Delivery form	58% in aromatic hydrocarbons
Packing	container, tank car

<u>Characteristic data:</u>				<u>Bakelite analysis method</u>
Viscosity at 20°C, Höppler viscosimeter (DIN EN ISO 12058-1)	mPa.s		550 ± 150	FPH 3.01
Water content, method of Karl-Fischer (DIN 51777-01, ISO 760)	%	max.	0,3	FPH 6.27
Resin content 3g/1h/200 °C/circulation oven	%		58 ± 1	-
<u>Additional properties (not regularly determined):</u>				
Hydroxyl number (DIN 53240)	mg/g	approx.	139	FPH 6.69
Specific gravity at 20°C (DIN 53217-02, ISO 2811)	g/cm ³	approx.	0,95	FPH 7.01
Flash point 10 - 370°C (DIN EN 22719, ISO 2719)	°C	approx.	65	FPH 7.19

As part of our quality assurance efforts, we ensure compliance with the indicated product parameters at the time of shipping. Phenolic resins are known to be subject to a process of change that depends on the storage and transportation conditions. The suggested storage life noted above represents a guideline to the useful life of the product based on our experience. This useful life must be individually verified by the user of our products.

see brochure "Analysis of Bakelite® Resin" for more information about the analysis methods.

Application:

1. Asphaltene dispersant for crude oil and end-products like heavy oils.
2. Manufacturing of oil demulsifier by alkoxylation with ethylene oxide and propylene oxide for the separation of water from cured oil.

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