

LIOPUR PFL 4417

Characteristics:	aliphatic hydroxyl group containing polyurethane dispersion, stabilized with DMEA Containing appr 30% biobased raw materials Tinfree and surfactant free	
Supplied as:	33% in water	
Properties:	appearance	transparent with low particle size
	<u>non-volatile content</u> (as supplied) (in-house method AV-F-F003)	33 +/- 2%
	<u>OH-value</u>	appr 1,6%
	<u>pH-value</u> (as supplied) (in-house method AV-F-P001)	7.0-9.0
	<u>Viskosität in mPas</u> (as supplied) (in-house methode AV-F-V005)	20 - 500
	<u>organic solvents</u> (MEK)	appr 0,5 %
	<u>Minimale Filmbildetemperatur in °C</u> (in-house methode AV-F-M003)	<5°C
roperties and fields f use: Coatings based on Liopur PFL 4417 form tack-free, transparent films .		ansparent films .
	Liopur PFL 4417 is suitable for 2C glass and plastic lacquers in combination with typical hardeners like water dilutable polyisocyanates. Films of these two-component coatings exhibit very high Pendulum hardness and excellent light resistance.	
	Liopur PFL 4417 is recommended for one component stoving enamels on glass or metal in combination with suitable water-dilutable crosslinkers like melamine resins or blocked polyisocyanates.	
	Films based on these formulations show very good hy composition of Liopur PFL 4417 and a good overbake	drolysis resistance due to the polymer resistance up to 180°C.
Storage:	The dispersion should be stored in tightly closed containers, protected from frost.	

This information is based on careful testing. We cannot accept any guarantee should the above values prove to be incomplete or inaccurate. We therefore recommend evaluation in the customer's own laboratories before use.

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All data is given to the best of our knowledge, for the purposes of information and advice. No claims of any kind – including in respect of patent rights – can be inferred herefrom .