

Hydrolube is the lubricant product range at Michelman. These water based emulsions and aqueous solutions have been designed to meet the fiber manufacturers specific requirements. Lubricants enter in the fiber sizing formulation as a critical ingredient. The freshly formed glass fibers require a lubricant to optimize processability. The roving is expected to be sufficiently lubricated in order to prevent breaks and production interruptions. When the fibers are mixed/processed with the matrix, compatibility is a must. Once more, the lubricant has its role to play. In order to face all kinds of challenges, the range of Hydrolube lubricants meet the requirements needed both in thermoplastic as well as in thermosetting resins applications, including chopped strands, continuous fiber and other types of glass and carbon products.

Product	Solids Type	%NV	Emulsifier Charge	pH	Rec. pH	Brookfield Viscosity cps, mPa·s ^(A)	APE Free ^(B)
Michem® Emulsion 93135M	High Density Polyethylene	34.5-35.5	Nonionic	9.5-11.0	> 7.0	< 100	CIN,SNG
Hydrolube® 480	Microcrystalline	39.5-40.5	Nonionic	8.5-10.5	1.0-12.0	< 200	AUB,CIN
Hydrolube® 723	Paraffin	31.5-32.5	Nonionic	7.0-10.5	2.0-12.0	< 60	AUB,CIN SNG
Michem® Emulsion 05940	Paraffin	39.5-40.5	Nonionic	6.0-8.0	1.0-12.0	< =150	CIN,SNG
Michem® Emulsion 29730	Polyethylene	29.0-31.0	Anionic / Nonionic	8.0-10.0	> 7.0	< 100	CIN
Hydrolube® 763	Polymer	9.5-10.5	N / A	4.0-10.0	2.0-12.0	< 1000	CIN

(A) cps (mPa.s) @ 60 RPM

(B) Alkyl phenol ethoxylate

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