

Sizings for Reinforcement of Polypropylene



These sizings provide good compatibility with both the PP matrix and the PP-g-MA coupling agents used in PP compounds. They can be used for chopped strands, as well as for continuous fiber (LFT) applications. The portfolio covers a range of low to high MW products, corresponding to a range of high to low MA-levels. Michelman manufactures these dispersions on three continents.

Product	Solids Type	%NV	Emulsifier Charge	pH	Rec. pH	Brookfield Viscosity cps, mPa·s ^(A)	chopped strands	continuous fiber	impact resistance	slip and lubricity
FGLASS™ X35	Maleated Polypropylene	34.5-35.5	Anionic / Nonionic	8.5-11.0	> 7.0	< =200	•	•	•	
FGLASS™ X48	Maleated Polypropylene	34.0-36.0	Anionic / Nonionic	6.0-8.0	> 7.0	< 1000	•	•	•	
FGLASS™ X70	Maleated Polypropylene	34.5-35.5	Anionic / Nonionic	8.0-11.0	> 7.0	< 1000	•	•	•	
Hydrosize® PP2-01	Maleated Polypropylene	38.5-41.0	Anionic / Nonionic	8.5-10.5	> 7.0	50-1000	•	•	•	•
Hydrosize® PP943	Maleated Polypropylene	39.5-40.5	Anionic / Nonionic	7.5-9.0	> 7.0	< 120	•	•		
Michem® Emulsion 11226	Maleated Polypropylene	25.2-26.2	Cationic / Nonionic	4.8-5.8	< 7.0	< 50	•	•	•	
Michem® Emulsion 91735	Maleated Polypropylene	34.0-36.0	Anionic / Nonionic	6.5-8.0	> 7.0	0-1000	•	•	•	

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

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