Product Selection Guide

Sizings for Reinforcements of PA & PBT



Hydrosize® waterborne polyurethane dispersions are film formers used in sizing formulations that will be incorporated into the production of polyamide and PBT composites. All grades are based on aliphatic isocyanates to provide the best color and color stability possible. These products are formulated to react with the resins during compounding. They remain stable as pH changes, and in the presence of silane and many other additives. All Hydrosize polyurethane dispersions are solvent and APE free.

Product	Solids Type	%NV	Emulsifier Charge	рН	Rec. pH	Brookfield Viscosity cps, mPa·s ^(A)	Trands	S FIGER	Stance	. CONX	ORTINE CONTROL	Patible 1	Pability
Michem® Emulsion 48625M1	BdMA	23.5-26.0	N/A	5.0-7.0	2.0-12.0	0-1500	•	•	•		•		
Hydrosize® EP834	Epoxy Resin	59.0-61.0	Nonionic	5.0-8.0	2.0-12.0	< 5000	•	•					
U-Nyte™ Set 201	Epoxy Resin	99-100	N/A	-	-	-	•	•				•	•
FGLASS™ X90	Ethylene Maleic Anhydride Copolymer	39.0-41.0	N/A	2.1-5.0	< 7.0	< 1000	•	•	•		•		
Hydrosize® HP3-02	Phenoxy Dispersion	30.0-33.0	Anionic / Nonionic	6.5-8.5	> 5.0	< 4000	•				•	•	•
Hydrosize® PA845	Polyamide	22.0-24.0	Anionic	9.7-11.0	7.5-10.7	<=100							
Hydrosize® U2022	Polyurethane	58.0-60.0	Anionic / Nonionic	6.5-8.5	> 6.0	500-1700	•			•	•	•	•

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

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