

Michelman® Hydrosize® U2-01 Nonionic polyurethane emulsion

Category : Fluid , Other Engineering Material , Additive/Filler for Polymer , Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

Description: Nonionic polyurethane emulsion Usage: Hydrosize® U2-01 is a high strength sizing for glass and carbon chopped fiber with excellent adhesion. Information provided by Michelman®

Order this product through the following link:

http://www.lookpolymers.com/polymer_Michelman-Hydrosize-U2-01-Nonionic-polyurethane-emulsion.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.00 - 1.15 g/cc	1.00 - 1.15 g/cc	
Volatiles	42 - 60 %	42 - 60 %	
pH	6.5 - 8.5	6.5 - 8.5	
Brookfield Viscosity	500 - 1700 cP	500 - 1700 cP	Spindle # 3, rpm 60

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	
Tensile Strength	34.5 - 48.3 MPa	5000 - 7000 psi	
Elongation at Break	700 %	700 %	
100% Modulus	0.000200 - 0.000221 GPa	0.0290 - 0.0320 ksi	

Descriptive Properties	Value	Comments
Appearance	Milky white	
Emulsifier Charge	Anionic/Nonionic	
Solids Type	Polyurethane	

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