



Product Data Sheet

AQUATAC™ XR4316

AQUATAC™ XR4316 is a unique waterborne tackifier combining high solids content with high adhesion performance and stability at high speed.

AQUATAC™ XR4316 is compatible with acrylics and carboxylated SBR latices. Pressure sensitive adhesives formulated with XR4316 will have aggressive tack and peel as well as excellent shear properties even after ageing.

AQUATAC™ XR4316 coats well at high speeds on Reverse Gravure, Slot Die and Curtain coaters.

FEATURES

- Higher solids
- Unique surfactant system
- Low colour/odour of base resin
- Excellent mechanical stability

BENEFITS

- Lower freight costs
- Enhanced adhesive physical properties
- Improved ageing resistance
- Resistance to humidity
- Better acceptance of finished product
- Trouble-free machining
- Ease of clean up
- Excellent coatability

SUGGESTED APPLICATIONS

(Waterborne)

- Pressure sensitive labels
- Pressure sensitive tapes
- Construction adhesives for flexible substrates

PROPERTIES- BASE RESIN	SPECIFICATIONS
Softening Point, Ring & Ball, °C	80-85
Colour, Gardner 63, 1:1 in toluene	max 3
Acid number, ASTM D 803-65	max 20
	TYPICAL VALUES
Volatility, % (6 h at 180 °C)	0,25
Glass transition temp. °C (DSC)	34



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PROPERTIES-DISPERSION	SPECIFICATIONS
Solids content, %	59-62%
Viscosity ¹ , mPa·s	250 - 800
pH	8-9
	TYPICAL VALUES
Density at 20 °C, kg/m ³	1020
Particle size, microns	< 0.5
Appearance	Off white (free of grit)

¹. Brookfield RVT100 # 3 Spindle @ 60 RPM @ 25 °C.

COMPATIBILITY	AQUATAC™ XR4316 Resin Dispersion is compatible with acrylics, carboxylated SBR latices and Natural Rubber latices over a wide pH-range.
FDA STATUS	AQUATAC™ XR4316 is approved for use under the following section of Title 21 (Food and Drug) of the Code of Federal Regulations: 175.105 Adhesives
SHIPPING AND STORAGE	AQUATAC™ XR4316 is solvent-free and must be protected from freezing. In addition, all containers must be kept closed to prevent skin formation which would require filtering.
SHELF LIFE	6 months after dispatch from the plant.
SAFETY INFORMATION	Please refer to Safety Data Sheet



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