



DOVERSPERSE GRADES

Water-Based Chlorinated Paraffins

Both **Doversperse A-1** and **Doversperse 3-NR** typically contain 45% available chlorine for maximum flame retardant efficiency.

Because of their non-ionic base, they find application in both cationic and anionic emulsion systems.

In addition to their flame retardant contribution, they improve adhesion, increase chemical and water resistance, and allow the user to formulate aqueous systems rather than solvent systems.

Doversperse A-1 is recommended if increased hardness is required. Use **Doversperse 3-NR** for plasticizing and to increase tackiness.

Application areas include adhesives, rubber coatings, inks, carpet backings, paper, and fabric coatings.

Both need to be protected from freezing and may require mixing prior to use.

TYPICAL PROPERTIES

Property	Doversperse A-1	Doversperse 3-NR
Physical Form	Water Dispersion of Chlorez 700	Water Emulsion of Paroil 63-NR
Color	Cream White to Beige	Cream White
Solids, % by Weight	65	--
Chlorine Content, % by Weight of Dispersion or Emulsion	45	36
Specific Gravity @ 25°C	1,600	1.2
Density, Wet Pounds per Gallon	11.0	11.3
Viscosity, #6 Spindle, 10 RPM @ 25°C Poise	--	225
#6 Spindle, 100 RPM @ 25°C Poise	--	37.5
#4 Spindle, 10 RPM @ 25°C	63	--
NS Hegman Units	4	--
pH	8.4	7

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