

UNIDYNE™ TG-5243

Water and Oil Repellent
for Nonwovens

Characteristics

Imparts excellent hydrostatic head pressure performance especially for cellulosic nonwovens.

Compatible with most textile additives.

Properties*	Value
Appearance	Off white emulsion
Ionic character	Cationic
pH	2.0 - 5.0 @ 25°C
Solids content	19 - 21%
Specific gravity	1.07 - 1.17 @ 25°C
Solubility	Readily disperses in cold water
Shipping and Storage	Keep from freezing
Flash point	Exceeds initial boiling point

*Typical properties are not suitable for specification purposes.

Application Guide

Standard Recipe

Substrate	Concentration (% owb)	Application Method*	Dry/Cure Conditions
Cellulosic Nonwoven	1 - 3	1 dip, 1 nip wet pick up 100 - 150%	Dry: 215 - 340°F for 0.5 - 3.0 min

Typical Performance and Conditions

Substrate	Concentration (% owb)*	Wet Pick Up (%)	Dry/Cure Conditions	IPA	HH (mbar)	IPR (grams)
Cellulosic Nonwoven	2%	140	248°F for 2 min	100 %	27	<1

* Add also 2 - 3% wax extender

Note:

IPA - IPA in Water by 3M method.

HH - Hydrostatic Pressure by AATCC TM-127

IPR – Impact Penetration Test by AATCC TM -42

Shipping & Storage

TG-5243 should be stored at temperatures between 23°F and 86°F (-5°C and 30°C)

Safety/Toxicology

Before using this product, please read the current TG-5243 Safety Data Sheet and the precautionary statement on the product package. Follow all applicable directions.