



UNIDYNE™ TG-8151

Grease and Water
Repellent for Food
Contact Paper

Characteristics

Imparts repellency to oil and
grease.

Imparts excellent sizing to
sheet (HST, Cobb).

Can be used in conjunction
with starch.

Can be used on food contact
paper.

Low VOC.

No HAPs associated with use.

Properties*	Value
Appearance	Pink tinted liquid
Ionic character	Anionic
pH	5.0 - 8.0 @ 25°C
Specific gravity	1.0 - 1.15 @ 25°C
Solids content	19 - 21.0%
Solubility	Readily dissolves in cold water
Shipping @ Storage	Keep from freezing

*Typical properties are not suitable for specification purposes.

Storage Temperatures between -0°C and 40°C (32°F and 104°F).

Application Guide

Internal Application

Agent	1	2	3	4	5	6	7
TG-8151	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	40%
Strength Starch (cation)	0.70%	0.70%	0.70%	0.70%	0.70%	---	0.70%
Sizing AKD (cation)	-	-	0.10%	0.10%	-	0.10%	-
Fixing PAE (cation)	0.30%	0.30%	-	-	-	-	0.30%
PAM (cation)	-	-	0.30%	0.30%	-	0.30%	-
Coagulant PAM (cation)	0.02%	-	-	0.02%	-	0.02%	-
PAM (anion)	-	-	0.02%	-	-	-	-
Oil repellant Kit 1)	7	6.5	5.5	6.5	6.5	4.5	8
AGR (%)	10	20	40	32	10	91	0
RP-2 (%)	0	4	9	0	0	23	0
Water repellent Cobb 602) (g/m2)	35	33	33	32	108	34	30

Evaluation Method 1) TAPPI KIT

2) Cobb method JIS P 8140: 1998

Processing method Test condition Paper weight 70g/m2

Internal application pH 7

Drying 115C×70seconds (Drum dryer)

Storage Temperatures between -5°C and 40°C (23°F and 104°F).

Safety Precautions

Reference the Safety Data Sheet for details regarding the safe use and disposal of this product.