

UNIDYNE™ TG-8731

Oil and Grease Repellent
for Food Contact Paper

Characteristics

Imparts repellency to oil and grease.

Can be used in conjunction with starch.

Can be used on food contact paper.

Low VOC.

No HAPs associated with use.

| Properties* | Value |
|--------------------|------------------------------------|
| Appearance | Pale yellow liquid |
| Ionic Character | Nonionic |
| pH | 3.0 - 7.0 @ 25°C |
| Specific Gravity | 1.00 - 1.15 @ 25°C |
| Solids Content | 19.0 - 21.0% |
| Solubility | Readily dissolves in cold water |
| VOC Content | <0.5% tested per EPA 24/24A method |
| Shipping & Storage | Keep from freezing |

*Typical properties are not suitable for specification purposes.

TG-8731 should be stored at temperatures between -0°C and 40°C (32°F and 104°F).

Application Guide

Bleached Paper - Contact Drying at 105°C for 70 Sec.

| FC Solids in bath* | Starch Solids in bath | Kit Value | Hot Corn Oil Repellency |
|--------------------|-----------------------|-----------|-------------------------|
| 0.20% | 0% | 9.0 | Excellent |
| 0.20% | 2% | 9.5 | Excellent |
| 0.20% | 5% | 7.0 | Excellent |

*approximately 3.6#/ton [T-559] [5min. @ 140F]

Unbleached Paper - Contact Drying at 105°C for 70 Sec

| FC Solids in Bath* | Starch Solids in Bath | Kit Value | Hot Corn Oil Repellency |
|--------------------|-----------------------|-----------|-------------------------|
| 0.20% | 0% | 5.5 | Excellent |
| 0.20% | 2% | 6.0 | Excellent |
| 0.20% | 5% | 6.0 | Excellent |

*approximately 3.6#/ton [T-559] [5min. @ 140F]

Run on Western Michigan Pilot Coating Machine

| | Starch Solids in Bath | Paper | Kit Value | Hot Corn Oil Repellency |
|--------|-----------------------|------------|-----------|-------------------------|
| 2#/ton | 6% | Bleached | 1 | Excellent |
| 4#/ton | 6% | Bleached | 1 | Excellent |
| 2#/ton | 6% | Unbleached | 5 | Excellent |
| 4#/ton | 6% | Unbleached | 6 | Excellent |

[T-559]

[5min.@140F]

Safety Precautions

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