



RHOPLEX™ N-1031D Adhesive
Pressure Sensitive Adhesive

Regional Product Availability

- Europe, Middle East and Africa
- North America

Description

RHOPLEX™ N-1031D Adhesive is an acrylic emulsion which may be used neat or as an adhesive formulating base. This polymer product demonstrates very high shear (cohesive) strength and moderate tack and peel properties.

Typical Applications

Its compatibility with inorganic fillers makes RHOPLEX™ N-1031D Adhesive a candidate to use as a base for a wide variety of formulated adhesives.

Typical Physical Properties

(These properties are typical but do not constitute specifications.)

Property	Value
Polymer Type	Acrylic
Appearance	Milky-white
Solids, %	54
pH	8.6
Brookfield LVF Viscosity, cps (#1 spindle, 30 RPM @ 25°C)	80
Density: lbs/US gal gm/ml	8.6 1.03
Tg, °C	-29
Particle Charge	Anionic
Freeze/Thaw Stability	Protect from freezing

Typical Performance

Performance results of 1 mil dry test samples of RHOPLEX™ N-1031D Adhesive direct coated onto different films are given below:

(These properties are typical but do not constitute specifications.)

	1 mil PET	Treated OPP
180° Peel Adhesion, oz/linear inch (n/inch) (PSTC #101)	18 (5.0) A ¹	6 (4.4) A ²
Quick Stick, oz/in (n/inch) (PSTC #5)	9 (2.6)	12 (3.4)
Static Shear, hrs., (PSTC #107) (½"x1"x1000 gm), 1-minute dwell	> 190	> 300

A denotes adhesive failure
1 - 20-minute dwell
2 - 1-minute dwell

FDA Status

RHOPLEX™ N-1031D Adhesive complies with applicable requirements of FDA Food Additive Regulation 21CFR 175.105 (Adhesives), 176.170* (Components of paper and paperboard in contact with aqueous and fatty foods), and 176.180 180 (Components of paper and paperboard in contact with dry food). We recommend that you make your own determination on the suitability of RHOPLEX N-1031D Adhesive for your particular application. We also recommend that you periodically verify the regulatory status of RHOPLEX N-1031D Adhesive.

Regulations may vary by city, state, country, or geographic region. Please contact the Dow Customer Service Group in your region for any additional, relevant regulatory information.

* Provided the food contact surface of the paper and paperboard complies with the extractives limitations prescribed in Paragraph (c) of 21CFR 176.170.

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