



PRIMAL™ N-1031

Pressure Sensitive Adhesive

Regional Product Availability

- Asia Pacific

Description

PRIMAL N-1031 is a pressure sensitive aqueous dispersion polymer which may be used neat or as an adhesive formulation base. This polymer demonstrates very high shear strength and moderate tack and peel properties.

PRIMAL N-1031 is designed for those applications where easy removability is required on smooth surfaces, including metal, extruded profiles and glass.

- Excellent stability of removability over time
- High shear strength
- High temperature resistance
- Good plasticiser migration resistance

PRIMAL PS-1031 is used for metal (either coated or uncoated), extruded profile and glass, and it exhibits very low peel build-up over time.

PRIMAL PS-1031 can be used with a crosslinker such as CR-3 or CR-4, a dispersible polyisocyanate or a carbodiimide respectively. We suggest the addition of 2 to 5 percent crosslinker on resin solids prior to coating.

Typical Physical Properties

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

Property	Value
Appearance	Milky-white, liquid
Solids,%	53.5-54.5
PH	8.0-9.2
Brookfield RVT Viscosity, cps (#1 spindle, 30 RPM@25 °C)	40-120
Density, lbs/US gal	8.6
Gm/ml	1.03
Tg, °C	-30
Freeze/Thaw Stability	Protect from freezing



**Performance
Properties of
PRIMAL™ N-1031**

Performance results of 5 gm/m² dry adhesive PRIMAL™ N-1031 direct coated onto 50µm corona treated PE are given below.

180° Peel Adhesion, (N/in)	
(PSTC #1) 24hrs dwell, stainless steel	4.0 A
1 week dwell, stainless steel	5.0 A
5 days at 50°C- dwell, stainless steel	4.5 A
Static Shear, hrs. (PSTC #7). (1 "× 1" × 1000gm), 1-minute dwell	> 300 C
A= Adhesive Failure C= Cohesive Failure	

FDA Status

PRIMAL N-1031 complies with applicable requirements of FDA Food Additives Regulation 21CFR 175.105 and APEO free. We recommend that you make your own determination on the suitability of PRIMAL N-1031 for your particular application. We also recommend that you periodically verify the regulatory status of PRIMAL N-1031.

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