

Tyvek®

PRODUCT DATA SHEET

TYVEK® DESICCANT POUCHING MATERIAL

DESCRIPTION: 10DP / 1059B is a Tyvek® pouching material for packaging desiccants. 1059B provides a very tough, tear resistant, breathable substrate which prevents escape of desiccant-dust. A non-toxic, hot melt, heat sealable adhesive coating is applied in a pattern to maintain breathability of the Tyvek®. The adhesive coating has high hot tack and bond strength sufficient to delaminate the Tyvek® if opening is attempted.

FEATURES AND BENEFITS: The high porosity of this material facilitates rapid gas and vapour permeation which increases the effectiveness of desiccant substances contained within the packages.

TOUGH, LOW DUSTING MATERIAL: Tyvek® is a non-linting, tough material that resists puncture, tearing, and environmental degradation. Its unique fibre structure provides excellent desiccant-dust retention.

STRONG SEALS: Adhesive bond strength exceeds the internal strength of the Tyvek® which prevents unintended opening of the package during shipment or by its ultimate recipient.

MIL-D-3464D: Depending on the unit size of the pouch, the combined properties of this material help the desiccant packager meet or exceed MIL standards MIL standards.

HIGH HOT TACK ADHESIVE: Ultimate bond strength is obtained instantaneously after the material is heat sealed which provides superior performance in high speed pouching applications.

TYPICAL PROPERTIES:

BASE SUBSTRATE: Tyvek® style 1059B, white, spun bonded olefin, manufactured by E.I DuPont.

SUBSTRATE BASIS WEIGHT: 42lbs./300sq ft. ft, or 75 grams/sq meter(nominal).

SUBSTRATE POROSITY (Gurley): 24 sec./100ccsq.in. (nominal); Bendtsen 450 u /PaS(nominal).

SUBSTRATE TEARING RESISTANCE(Elmendorf): MD;363 grams, CD; 363 grams (nominal).

COATING: 10DP adhesive, hot melt, heat seal, clear, dot pattern coating

COATING WEIGHT: 10 LBS./3000 sq.ft., or 16 grams / sq.meter (nominal).

COATED SUBSTRATE POROSITY (Gurley): 35 sec. / 100cc/sq.in.(nominal);

PEEL STRENGTH: Exceeds substrate strength, when sealed to itself, approximately 5 lbs. / in

ADDITIONAL PRODUCT INFORMATION:

The presence of free water or moisture vapour has no known affect of the sealed product. When sealed to itself and maintained in an unstressed condition, the adhesive has no known limit of seal life between the temperatures of 0 and 120 degrees F;-18 AND 50 degrees C. This Adhesive is made from materials listed in CFR Title 21 Section 175.300 There is no limit to the shelf life of the adhesive used in this product. Tyvek® is a registered trademark of DuPont Inc and has a five year shelf life according to their in-house shelf life studies.

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