

Tags, Labels and Business Forms – Release

IN-LINE LABEL AND TAG CONSTRUCTIONS

DESCRIPTION	FINISH	TYPICAL SUBSTRATE	STD	CUST	FEATURES
Premium Release	Gloss	Film, Primed Paper/Film	•		One part cationic cure silicone; fully adjustable release levels; pH-related cure sensitivity to inks/primers/stock
Release Topcoat	Gloss/Matte	Film, Paper		•	Uninhibited free radical cure; release of select pressure-sensitive face stocks; resealable constructions
Piggy-Back/ Dry Release Base	Gloss	Film, Paper		•	Allows dry, tack-free release of wet nipped aqueous, low-tack adhesives

Tags, Labels and Business Forms – Adhesives*

IN-LINE LABEL, TAG AND FLEXIBLE PACKAGE CONSTRUCTIONS

DESCRIPTION	TYPE	TYPICAL SUBSTRATE	STD	CUST	FEATURES
General Purpose	Laminating	OPP/Primed Film to Paper	•		Outstanding economics; product of choice for low-cost, self-wound film replacement, e.g., dairy labels
General Purpose	Laminating	OPP/Vinyl/Styrene to Paper	•		Original industry standard; fastest cure and strongest bonds of general-purpose, self-wound replacements
General Purpose	Laminating	OPP/Primed Film to Metallized Paper or Film	•		Bonds well to metallized base substrates
Low Odor/Extractables	Laminating	OPP/Primed Film to Paper/ Metallized Paper or Film	•		Premium low odor/extractable for product-sensitive applications; special handling necessary
EB Curable, Non-Extractable	Laminating	OPP, PE, PET, Metallized Substrates and Paper	•		Premium EB low odor/extractable for flexible packaging product-sensitive applications
High Performance	Laminating	Numerous Flexible Film and Paper		•	Flexible high strength laminates; heat shrinkable
Resealable	Pressure Sensitive	Paper, Treated Film		•	High shear/cohesive strength allows repositionable/resealable or linerless constructions
General Purpose	Pressure Sensitive	Paper, Treated Film		•	High tack and flexibility; adheres well to wide array of plastics; excellent paper fiber tear
Cold Foil Transfer	Pressure Sensitive	Paper, Treated Film	•		Allows print transfer of “cold” stamping foil; topcoating following foil transfer recommended

* Northwest Coatings **does not** recommend the use of UV curable laminating adhesives and “general purpose” topcoats in the construction of pressure-sensitive paper labels for polyethylene (HDPE, LDPE, LLDPE, etc.) containers with food or medical products maintaining long shelf lives under non-refrigerated conditions (e.g., bottled water, saline solutions, etc). The absorptive nature of paper label stock can increase the potential for uncured adhesive to “wick” into the paper and continue into the pressure-sensitive adhesive in direct contact with the container. UV laminated or topcoated

pressure-sensitive paper labels should only be used on packages where a “functional barrier” between the label and food product exists. Polyethylene may not have adequate barrier properties under non-refrigerated conditions.

In addition, Northwest Coatings cautions against the use of UV curable pressure-sensitive adhesives for the assembly of labels onto non-refrigerated polyethylene containers containing food or medical-related products.