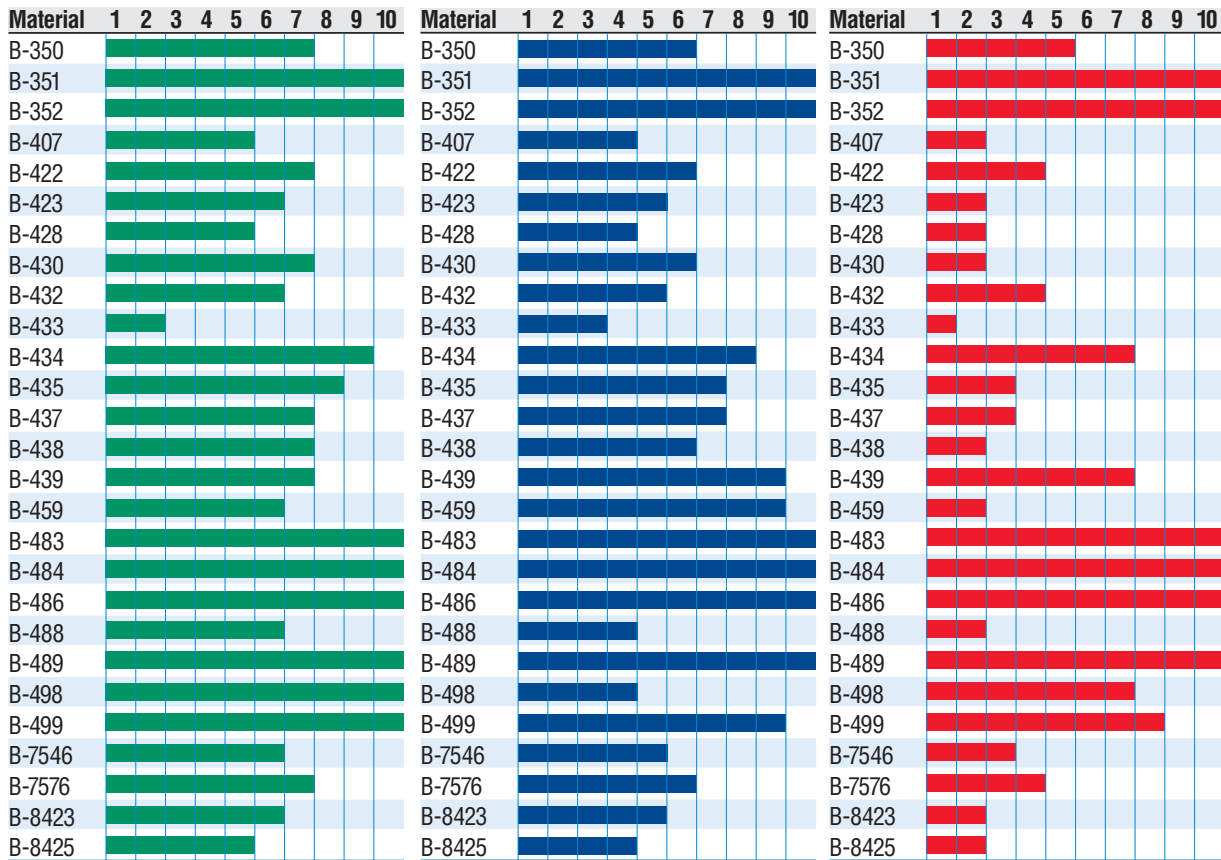


# Material Comparison Chart Based on Surface

SMOOTH		TEXTURED/ROUGH		HIGHLY TEXTURED/LOW SURFACE ENERGY	
Typical surface energy levels for this category are above 50 Dynes/cm.		Typical surface energy levels for this category are between 38 Dynes/cm and 50 Dynes/cm.		Typical surface energy levels for low surface energy products are below 38 Dynes/cm.	
SURFACES		SURFACES		SURFACES	
Stainless Steel	Tin	Cast Metal	Polyurethane	Polystyrene	Polypropylene
Copper	Glass	Nylon	ABS	Acetal	Teflon
Aluminum	Smooth Metal	Alkyd Enamel	Polycarbonate	Polyethylene	Powder Coatings
Smooth Plastic		Epoxy Paint	PVC	Highly Textured ABS	
			Acrylic		



These charts are based on relative adhesion after 24 hour dwell within each given surface energy category.

Adhesion is the attraction between unlike materials. The strength of the adhesion is determined by the surface energy of the item being identified. The higher the surface energy, the greater the likelihood for the label to adhere. A lower surface energy product will be more difficult for a label to adhere.

1 = LOWEST ADHESIVE BOND      10 = HIGHEST ADHESIVE BOND

For additional technical information on any Brady material, please visit the Brady website at [www.bradyid.com](http://www.bradyid.com) (go to Technical Sheet under Support Category in Left Navigation Bar).

THERMAL TRANSFER LABELS

THERMAL TRANSFER LABELS INDUSTRIAL MATERIAL COMPARISON CHART