

TRANSFER TAPE PRODUCT BULLETIN

May 2020



Wausau Coated

Experts in "What If..."

i-Series Adhesives

**i800-1.5
Adhesive**

**—
UL 969
Marking & Labeling
Component**

People in the business of fabricating, assembling or processing manufactured components know efficiency is key to successful outcomes for your bottom line. At Wausau Coated, we understand the advantages adhesive Transfer Tape Materials can provide as efficient alternatives to spot welding or traditional fasteners. We can engineer a solution to fit your needed strength, fit, flex, impact, aesthetics, noise, weight, speed, temperature and assembly systems. Contact us to help you with your "What If..." solution today.

i800-1.5 ADHESIVE DESCRIPTION

i800-1.5 is an ultra-aggressive permanent designed for difficult-to-bond surfaces. It offers excellent initial tack and ultimate adhesion to a variety of substrates. It is UV resistant, water resistant and offers some solvent resistance.



Type	High Performance Acrylic
Classification	Acrylic
Caliper	1.5 mil
Minimum Application Temp., °F	+20
Service Temperature Range, °F	-20 to +300
Regulatory Compliances	CONEG, FDA 21 CFR 175.105, FDA 21 CFR 175.125 Table 2 D-G, Natural Rubber Latex Free, REACH, RoHS

USR - STANDARD UL 969, "MARKING AND LABELING SYSTEMS" - FILE #MH63158

Face Stock	Face Stock Thk (mm)	Application Surface	Temp °C Max	Temp °C Min	Indoor Use	Outdoor Use
Polyester	0.051	Aluminum	180	-40	X	X
Polyester	0.051	Stainless Steel	180	-40	X	X
Polyester	0.051	Polycarbonate	100	-40	X	X
Polyester	0.051	Polyethylene	80	-	X	-

CNR - STANDARD CSA C22.2 NO. 0.15, "ADHESIVE LABELS" - FILE #MH63158

Face Stock	Face Stock Thk (mm)	Application Surface	Temp °C Max	Indoor Use	Outdoor Use
Polyester	0.051	Metals	180	X	X
Polyester	0.051	Plastic Group III	100	X	X

Note:

All product specifications are for informational use only. Each customer and/or end user should determine the suitability of any product for their particular application. The Specifications on the left are based on typical values and most current information. Specific products listed were current at the time of publication, However all raw materials are subject to change.

Shelf life: One year when stored at 72°F / 50% Relative Humidity

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i800-1.5 - 1.5 mil - UL 969 Marking & Labeling Component

Features

i800-1.5 is an aggressive permanent adhesive designed for difficult-to-bond surfaces and provides high durability.

- Humidity resistance
- Ultraviolet resistance
- High shear at room and elevated temperatures
- Aging and heat resistance

TYPICAL PHYSICAL PROPERTIES AND PERFORMANCE CHARACTERISTICS

Note: The following technical information and data should be considered representative or typical only and should not be used for specifications purposes.

Product	Transfer Tape i800-1.5		
Adhesive to stainless steel ASTM D330- 90 degree 2 mil clear PET	Lbs	Oz	N/100mm
15 minute Room Temperature	4.0	64	71
72 hour Room Temperature	4.5	72	80
Adhesive to other surfaces ASTM D3330- 90 degree, 2 mil clear PET, 72 hour Room Temperature	Lbs	Oz	N/100mm
Glass	4.0	64	71
HDPE	2.2	35	39
LDPE	1.5	24	27
Polypropylene	2.0	32	35
Shear Strength - ASTM D3654 Modified - 1" x 1" sample area x hours to failure			
1000 grams at 72°F (22°C) @ 50% relative humidity	3,000 minutes		
Relative High Temperature Operating Range Exposure			
Long Term (days/weeks)	250° F (121° C)		
Short Term (minutes/hours)	300° F (149° C)		
Relative Solvent Resistance	Good		