

ENCOR® 9023

COATER-READY REMOVABLE ADHESIVE FOR FILMIC LABELS



Product Benefits

- ENCOR® 9023 is a one component, self-crosslinking acrylic latex, free from solvents, plasticizers and APE surfactants.
- ENCOR® 9023 has been designed for the production of removable plastic tapes and labels.
- ENCOR® 9023 is formulated for both direct and transfer coating to filmic face stock

Performance Benefits

- High SAFT (Shear Adhesion Failure Temperature) > 185°C
- Excellent cohesive strength
- Clean removability

Typical Physical Properties*

Total Solids, % by weight	47.5
Polymer Type	Acrylic
Weight/Gallon (lbs)	8.5
pH Value	6.5
Particle Size, Microns	0.2
Viscosity, Brookfield, cP, #3 LVT at 60 rpm, 25±1°C	500
Glass Transition Temperature (Tg), midpoint, °C	-40

Typical Adhesives Properties**

180° Peel, 30 min dwell on stainless steel, pli	0.5
180° Peel, 24 h dwell on stainless steel, pli	1.0
Loop Tack on stainless steel, pli	1.0
Shear Resistance, hours, on stainless steel, (1/2" x 1/2" x 500 g)	>200

* The physical property data listed are considered to be typical properties, not specifications.

** Tested on 2-mil PET backing at a coat weight of 1.2 – 1.4 g/100 in², 73° F, 55% R



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SAMPLE PREPARATION	
Face Stock	2 mil Mylar
Release Liner	Siliconized Polyliner
Adhesive Film Thickness	1.0 mil
Coat Weight	23.7 g/m ²
Coating Method	Transfer Coat

ADHESION PROPERTIES: AGING PERFORMANCE		
PSTC-101, 180° Peel Adhesion		
SS, 30 min dwell at 25° C	0.5 lbs/in	2.2 N/2.5cm
SS, 7 day dwell at 25° C	0.5 lbs/in	2.2 N/2.5cm
SS, 7 day dwell at 70° C	2.5 lbs/in	11.1 N/2.5cm
HDPE, 30 min dwell at 25° C	0.6 lbs/in	2.6 N/2.5cm
HDPE, 7 day dwell at 25° C	0.9 lbs/in	4.0 N/2.5cm
HDPE, 7 day dwell at 70° C	1.4 lbs/in	6.2 N/2.5cm

Note: All samples exhibited adhesion failure

TACK PROPERTIES: 25°C		
PSTC-16, Loop Tack		
HDPE	1.4 lbs/in	6.2 N/2.5cm
LPDE	1.0 lbs/in	4.4 N/2.5cm
SS	1.3 lbs/in	5.8 N/2.5cm
Glass	1.5 lbs/in	6.6 N/2.5cm

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Product Safety

Before handling the materials listed in this bulletin, read and understand the product SDS (Safety Data Sheet) for additional information on personal protective equipment and for safety, health and environmental information. For environmental, safety and toxicological information, contact our Customer Service Department at 1-866-837-5532 to find an SDS, or visit our web site: www.coatingresins-arkema.com

No chemical should be used as or in a food, drug, medical device, or cosmetic, or in a product or process in which it may contact a food, drug, medical device, or cosmetic until the user has determined the suitability and legality of the use. Since government regulations and use conditions are subject to change, it is the user's responsibility to determine that this information is appropriate and suitable under current, applicable laws and regulations.

Coating Resins – Arkema requests that the customer read, understand, and comply with the information contained in this publication and the current SDS(s). The customer should furnish the information in this publication to its employees, contractors, and customers, or any other users of the product(s), and request that they do the same.

Storage and Handling

Follow procedures typically recommended for polymer dispersions. Use corrosion-resistant storage tanks and piping. Air-operated diaphragm pumps are preferred. Avoid temperature extremes. Do not freeze; store between 4-40°C.



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