



ROBOND™ PS-2020 Adhesive

Pressure Sensitive Adhesive

Regional Product Availability

- Europe, Middle East and Africa

Description

ROBOND™ PS-2020 Adhesive is a permanent pressure-sensitive adhesive which is characterized by water-white color, excellent clarity, and balance of moderate shear strength and tack.

Typical Applications

This adhesive has demonstrated excellent performance in applications that require extreme clarity, for example clear-to-the-core OPP tape and overlamine applications. The viscosity and stability of ROBOND™ PS-2020 Adhesive allows it to be used with a variety of direct coating methods. It is a rapid drying, coater-ready product and may be direct coated to a variety of facestocks.

Typical Physical Properties

(These properties are typical but do not constitute specifications.)

Property	Value
Polymer Type	Acrylic
Appearance	Milky-white
Solids,%	53,5
pH	8,0
Brookfield LV Viscosity, cps (#2 spindle, 60 RPM@25 °C)	80
Density	1,03
Tg, °C	-41
Particle Charge	Anionic
Freeze/Thaw Stability	Protect from freezing

Typical Performance Results

(These properties are typical but do not constitute specifications.)

Performance results of ROBOND™ PS-2020 Adhesive	
Test conditions: 21 g/m ² dry adhesive direct coated onto 30μ bOPP	
180° Peel Adhesion, (N/in) (PSTC #101) 1- minute dwell, stainless steel	5,8 A
20-minute dwell, stainless steel	6,1 A
20-minute dwell corrugated (parallel to the fluting)	5,0 A
Loop Tack, N/in ² (TLM1)	9,7
Static Shear, hours (PSTC #107)- (1 "x 1" x 1 kg), 1-minute dwell	>50

A= Adhesive Failure

Cleanup Guidelines

Clean with water and soap.

Handling Precautions

Before using this product, consult the Material Safety Data Sheet (MSDS)/Safety Data Sheet (SDS) for details on product hazards, recommended handling precautions and product storage.

Storage

Store products in tightly closed original containers at temperatures recommended on the product label.

Disposal Considerations

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

Food Legislation

ROBOND™ PS-2020 complies with FDA CFR175.105 Adhesives. We recommend that you make your own determination on the suitability of ROBOND PS-2020 Adhesive for your particular application. We also recommend that you periodically verify the regulatory status of ROBOND PS-2020 Adhesive.

Regulations may vary by city, state, country, or geographic region. Please contact the Dow Customer Service Group in your region for any additional, relevant regulatory information.

Product Stewardship

The Dow Chemical Company and its subsidiaries ("Dow") has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our Product Stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our Product Stewardship program rests with each and every individual involved with Dow products — from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

Medical Applications Policy

NOTICE REGARDING MEDICAL APPLICATION RESTRICTIONS: Dow will not knowingly sell or sample any product or service ("Product") into any commercial or developmental application that is intended for:

- a. long-term or permanent contact with internal bodily fluids or tissues. "Long-term" is contact which exceeds 72 continuous hours;
- b. use in cardiac prosthetic devices regardless of the length of time involved ("cardiac prosthetic devices" include, but are not limited to, pacemaker leads and devices, artificial hearts, heart valves, intra-aortic balloons and control systems, and ventricular bypass-assisted devices);
- c. use as a critical component in medical devices that support or sustain human life; or
- d. use specifically by pregnant women or in applications designed specifically to promote or interfere with human reproduction.

Dow requests that customers considering use of Dow products in medical applications notify Dow so that appropriate assessments may be conducted.

Dow does not endorse or claim suitability of its products for specific medical applications. It is the responsibility of the medical device or pharmaceutical manufacturer to determine that the Dow product is safe, lawful, and technically suitable for the intended use. **DOW MAKES NO WARRANTIES, EXPRESS OR IMPLIED, CONCERNING THE SUITABILITY OF ANY DOW PRODUCT FOR USE IN MEDICAL APPLICATIONS.**

Disclaimer

NOTICE: No freedom from infringement of any patent owned by Dow or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, the Customer is responsible for determining whether products and the information in this document are appropriate for the Customer's use and for ensuring that the Customer's workplace and disposal practices are in compliance with applicable laws and other governmental enactments. Dow assumes no obligation or liability for the information in this document. **NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.**

NOTICE: If products are described as "experimental" or "developmental": (1) product specifications may not be fully determined; (2) analysis of hazards and caution in handling and use are required; (3) there is greater potential for Dow to change specifications and/or discontinue production; and (4) although Dow may from time to time provide samples of such products, Dow is not obligated to supply or otherwise commercialize such products for any use or application whatsoever.

Additional Information

North America		Europe/Middle East	+800-3694-6367
U.S. & Canada:	1-800-441-4369		+31-11567-2626
	1-989-832-1426	Italy:	+800-783-825
Mexico:	+1-800-441-4369		
Latin America		South Africa	+800-99-5078
Argentina:	+54-11-4319-0100		
Brazil:	+55-11-5188-9000		
Colombia:	+57-1-219-6000	Asia Pacific	+800-7776-7776
Mexico:	+52-55-5201-4700		+603-7965-5392

www.dowplastics.com

This document is intended for use within Europe, Middle East and Africa.

Published January, 2014.

© 2014 The Dow Chemical Company

