

**DOWSIL™ 5-1050 Polymer Processing Aid**

Description	DOWSIL™ 5-1050 Polymer Processing Aid is a polyethylene masterbatch for use in a variety of extrusion applications as an effective processing and performance aid.
Uses / Applications	<ul style="list-style-type: none">• Industrial and consumer packaging films• Blown film for polyethylene packaging
Benefits	<ul style="list-style-type: none">• Reduces melt fracture• Improves clarity in films• Reduces die pressure
Complies With	<ul style="list-style-type: none">• U.S. FDA 21 CFR174.5• Europe Commission Regulation (EU) No 10/2011
Additive	<ul style="list-style-type: none">• Antiblock: No• Slip: No

Physical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Test Method ¹	Property	Unit	Result
ASTM D792	Density	g/cm ³	0.926
	Form	Pellet	Translucent to white
ASTM D1238	Melt index (190°C/2.16 kg)	g/10 min	2.5
ASTM 7191	Moisture	wt%	< 0.4
Dow Method	Melting Temperature (DSC)	°C	119
	Suggested Usage Level	wt%	1–3

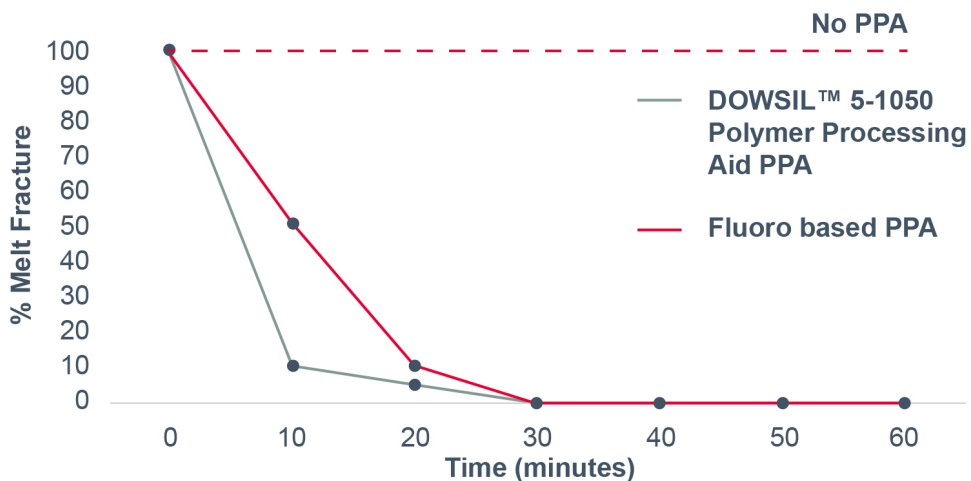
1. ASTM: American Society for Testing and Materials

Developmental Product Disclaimer

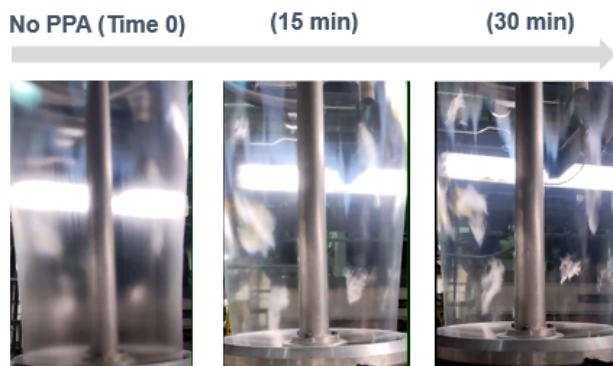
DOWSIL™ 5-1050 Polymer Processing Aid is a Dow developmental material. The composition, features, benefits and other properties are subject to change. The future availability of this product is not guaranteed. You are responsible to determine the suitability of the Product for your contemplated use. The Product is provided "AS IS" WITH ALL FAULTS, AND WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Processing and Application Guidelines

DOWSIL™ 5-1050 Polymer Processing Aid can be used in extrusion processes. Detailed processing information should be obtained from your Dow technical service representative. Suggested usage level 1–3 wt%.



Lab Scale Copolymer Resin



Blown Film Copolymer Resin

Handling Precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

Limitations

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Health and Environmental Information

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, dow.com, or consult your local Dow representative.

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.

Product Stewardship

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.

dow.com

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