



Industrial Waxes

A wax for every industry — and every child.



Sonneborn purifies and blends waxes to take on any job. Top-quality industrial waxes that span the broadest range of melting points, hardness and colors — from slabs to pure molten liquid. Our waxes are used in hundreds of applications in dozens of industries, creating everything from flexible, flowing adhesives to printer inks, from tough investment casting wax to laminates, coatings and polishes — and, yes, children’s crayons. **Absolute know-how. Absolutely Sonneborn.**

KEY FEATURES AND BENEFITS

- Through our comprehensive knowledge of wax markets and applications, we can design wax blends to meet the needs of your specific applications or processes.
- From industrial to food to pharmaceutical grades, our waxes comply with the highest regulatory standards for your specific application.
- Our waxes are produced to meet the most stringent specifications for absolute consistency.

COMMON APPLICATIONS BY MARKET

Market	Application	Recommended Products	Key Benefits
Food	Plucking wax (poultry)	PW 11767, PW 55L	Specifically developed for plucking by hand or by automatic dry and wet plucking processes
			Used by leading poultry processors (reference list on request)
			Good adherence on the remaining pin feathers and can be easily removed after cooling
Packaging	Coating	W-445, W 445-H, 7545	Effective moisture barrier
	Sealing	W-445, W 445-H	Heat-sealing agent
	Lamination	W-445, W 445-H	Protect and preserve a variety of packaged products
Explosives	Desensitizing	180-W, 180MH, EX7020	Desensitizing
	Moisture protection	W-445, W 445-H, 7545	Moisture protection
Crafts	Sculpture	W-445, W 445-H, ML445H, W835, Modeling Wax – Natural and Modeling Wax – Black	
	Paste-up wax	W-445, W 445-H, ML445H, W835	
Industrial	Corrosion protection	7545, W 445-H, ML445H	Low-temperature flexibility
	Lubrication	7545, W-445, W 445-H, W-835	Carrier for active components
	Investment casting	180MW	Consistent melting point
Printing ink	Anti-scuff	180-W, 7545	
	Pigment carrier	180-W, 7545	
Sports	Ski/surf wax	W-445, W 445-H, W835	
	Equine rope wax	180-W, 180MH	
Rubber	Tire anti-check wax	7545, Paraffinic	
Adhesives	Hot melt adhesives	180-W, 180MH	Improve high-temperature performance
			Impact flexibility to bond
			Decrease blend viscosity

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TYPICAL PROPERTIES

Multiwax Product	Melting Point ASTM-D127		Needle Penetration dmm @ 77°F (25°C) ASTM D-1321	Color	Viscosity @ 212°F (100°C)		Congealing Point	Production Location
	°F	°C			ASTM D-2161	ASTM D-445		
7545	170–185	76–85	35–70	+16 Min. ^c	SUS	CSt	°C	US
W445H Extra White	170–180	79–84	25–32	0.5 Max	75 Min.	14.3 Min.	71–76	NL
180-W	175–188	79–87	15–22	+16 Min. ^c	75 Min.	14.3 Min.	75–80	US
ML445	170–180	79–84	25–32	2.0 Max.	75 Min.	14.3 Min.	71–76	NL
W-445	170–180	77–82	25–35	+16 Min. ^c	75 Min.	14.3 Min.	71–76.5	US
W-835	165–175	74–79	60–80	+16 Min. ^c	75 Min.	14.3 Min.	68–74	US
180MH	180–188	82–87	15–20	2.0 Max.	73 Min.	13 Min.	74–79	NL
Poultry—Classic								
W445H Extra White			50–60	2.0 Max.			60–65	NL

^c ASTM D-156 (Saybolt color)

ABSOLUTE CUSTOMIZATION

Sonneborn industrial waxes are engineered to meet every industry standard — and your specific need. Please let us know if you require a customized wax product formulated for your application. Our experience and knowledge enable us to collaborate with you in engineering the most versatile waxes for industries of all kinds.

ABSOLUTE COMPLIANCE

All products listed above are compliant to:

- FDA requirements 21 CFR 172.886 and 21 CFR 178.3710