

Milliken®

Daran® Barrier Emulsions

Aqueous Solutions for Flexible and Rigid Packaging

- Prevent the transmission of moisture vapor, oxygen, and odors in pharmaceutical and food packaging by providing barrier properties
- Offer excellent gloss & clarity, good heat seal strength, and the ability to be thermoformed
- Can also be used as barrier adhesives and extrusion primers

Product	Description	Application
Daran® 195	<ul style="list-style-type: none">• Barrier performance for protection from oxygen and water vapor• Heat sealable with good seal strength at high line speeds	<ul style="list-style-type: none">• Thermoformable Film coatings, Encapsulation
Daran® 400	<ul style="list-style-type: none">• Barrier performance for protection from oxygen and water vapor• Heat sealable with good seal strength at high line speeds	<ul style="list-style-type: none">• Thermoformable Film coatings, Encapsulation
Daran® 546L	<ul style="list-style-type: none">• Barrier performance for protection from oxygen and water vapor• Laminating adhesive for treated films	<ul style="list-style-type: none">• Low foam and viscosity for gravure and reverse gravure Film coating, Barrier laminating adhesives, Extrusion coatings
Daran® 2010	<ul style="list-style-type: none">• Barrier performance for protection from oxygen and water vapor	<ul style="list-style-type: none">• Excellent adhesion to polyolefins Film coatings, Barrier laminating adhesives, Primer coatings
Daran® 2026	<ul style="list-style-type: none">• Barrier performance for protection from oxygen and water vapor	<ul style="list-style-type: none">• Excellent adhesion to paper and polyolefins without the need for additional primer Film coatings, Barrier laminating adhesives, Primer coatings
Daran® 2060	<ul style="list-style-type: none">• Barrier performance for protection from oxygen and water vapor• Can be formulated as a jaw release coating	<ul style="list-style-type: none">• Excellent adhesion to paper and polyolefins without the need for additional primer Film coatings, Primer coatings, Jaw release coatings
Daran® 2061	<ul style="list-style-type: none">• Barrier performance for protection from oxygen and water vapor• Can be formulated as a jaw release coating	<ul style="list-style-type: none">• Excellent adhesion to paper and polyolefins without the need for additional primer Film coatings, Primer coatings, Jaw release coatings
Daran® 8100	<ul style="list-style-type: none">• Superb barrier performance for protection from oxygen and water vapor	<ul style="list-style-type: none">• Thermoformable Pharmaceutical blister pack
Daran® 8550	<ul style="list-style-type: none">• Superb barrier performance for protection from oxygen and water vapor	<ul style="list-style-type: none">• Excellent film formation Film coatings, Paper coatings
Daran® SL112	<ul style="list-style-type: none">• High barrier performance for protection from oxygen and water vapor• High surface tension for holdout in porous materials	<ul style="list-style-type: none">• Basecoat for paper packaging Paper coatings, Film coatings
Daran® SL158	<ul style="list-style-type: none">• High barrier performance for protection from oxygen and water vapor• Heat sealable with good seal strength at high line speeds	<ul style="list-style-type: none">• Quickly develops resistance to haze when exposed to solvent inks and laminating adhesives Paper coatings, Film coatings, Printing inks
Daran® SL159	<ul style="list-style-type: none">• High barrier performance for protection from oxygen and water vapor• Heat sealable with good seal strength at high line speeds	<ul style="list-style-type: none">• Improved slip, anti-blocking and other surface characteristics• Thermoformable Pharmaceutical blister pack, Paper coatings, Encapsulation
Daran® SL243	<ul style="list-style-type: none">• High barrier performance for protection from oxygen and water vapor• High surface tension for holdout in porous materials	<ul style="list-style-type: none">• Oil and grease resistance Paper coatings

* LVF#1, @60rpm @25°C/77°F

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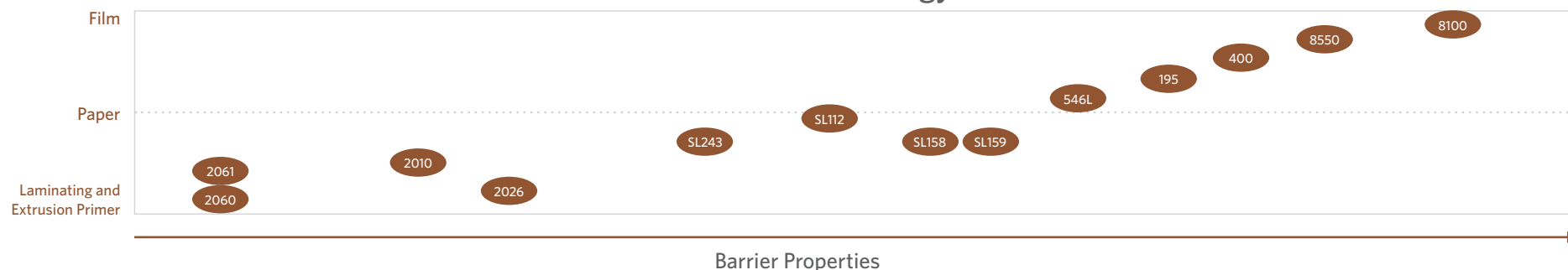
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Daran® Barrier Technology



Product	Non-Volatile Content (%)	Viscosity (cps)*	Surface Tension (dynes/cm)	pH	Tg of film (°C)	Shelf Life (months)
Daran® 195	58	10	30	3.0	17.9	12
Daran® 400	58	10	38	1.8	17.9	6
Daran® 546L	46	35	51	2.3	9	6
Daran® 2010	50	10	46	1.8	22.6	3
Daran® 2026	45	12	38	1.5	17	6
Daran® 2060	50	10	45	1.5	22.7	6
Daran® 2061	50	10	38	1.5	22.7	12
Daran® 8100	60	22	32	3.0	18.5	12
Daran® 8550	49	12	52	2.0	17	6
Daran® SL112	54	15	67	2.0	20	9
Daran® SL158	58	15	40	2.0	18.5	6
Daran® SL159	54	12	42	2.0	18.5	9
Daran® SL243	54	15	60	2.0	14.5	9

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Contact us for more information
chemical.milliken.com/contactus

PLEASE NOTE: As each customer's use of our product may be different, information we provide, including without limitation, recommendations, test results, samples, care/labeling/processing instructions or marketing advice, is provided in good faith but without warranty and without accepting any responsibility/liability. Each customer must test and be responsible for its own specific use, further processing, labeling, marketing, etc. All sales are exclusively subject to our standard terms of sale posted at www.milliken.com/terms (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing.