

CROWN Plastics CEA

Cushioning and Energy Absorbing Material

CROWN Plastics CEA is a cushioning and energy absorbing material suitable for gasket and weather stripping applications, as well as linings for sound abatement and energy absorption requirements.

CROWN Plastics CEA is offered as Santoprene™ or EPDM with a bonding layer and a variety of pressure sensitive adhesives.

APPLICATIONS:

CROWN Plastics CEA is intended for use in a variety of automotive, material handling, appliance, and general industrial applications.

- Window Weather Strip
- Trunk and Door Weather Strip
- Appliance Door Seals
- Bed and Trunk Liners
- Cup Holder Inserts
- Conveyor and Sorting Chute Side Guides



AVAILABLE THICKNESS

.040" (1 mm) to .120" (3 mm) EPDM and Santoprene™ (55 to 90 Durometer) with a bonding layer. Textured surfaces available on some thicknesses. Consult your Crown Plastics Company representative.

AVAILABLE WIDTHS

**24" Widths
For custom widths consult a Crown Plastics representative.**

AVAILABLE LENGTHS

50 foot rolls

ADHESIVE PROPERTIES - Adhesive liner performance on stainless steel

Adhesive Number	FT 8345 SF	FT 1150	FT 1123	FT 1126	FT 8346	HPA 1905	UHA 1198
Peel Adhesion / Degree	180° Peel	180° Peel	180° Peel	180° Peel	180° Peel	180° Peel	180° Peel
U.S. Oz / In. Width	179	61	125	134	120	59	159
Metric N/m	1961	665	1366	1471	1313	648	1737
Loop Tack / Initial Time	20" Min.	12" Min.	20" Min.	20" Min.	20" Min.	20" Min.	20" Min.
U.S. Pounds / In. Width	306	80	117	152	120	123	352
Metric N/m	3344	876	1278	1663	1313	4348	3852
Static Shear / Area	1" (6.5cm ²)	1" (6.5cm ²)	1" (6.5cm ²)	1" (6.5cm ²)	1" (6.5cm ²)	1" (6.5cm ²)	1" (6.5cm ²)
Load U.S. lbs./kg	5.5 / 2.5	5.5 / 2.5	5.5 / 2.5	2.2 / 1	2.2 / 1	2.2 / 1	10 / 4.5
Minutes to Failure	>10,000	>10,000	>400	>400	>150	>10,000	>10,000

ADHESIVE DESCRIPTION

- FT 8345 SF** Crown's standard adhesive! 5-mil rubber-based adhesive designed for applications requiring high tack and adhesion with excellent shear strength. Specially formulated with a 1-mil polyester carrier and sta-flat liner to provide excellent die cutting and adhesion to low surface energy substrates. Maximum operating temperature: 175°F (79°C) continuous, 200°F (93°C) intermittent.
- FT 1150** 2-mil general-purpose acrylic transfer adhesive with excellent temperature, UV, and solvent resistance. Good adhesion allows for bonding to a wide variety of substrates. Excellent die cutting characteristics. Maximum operating temperature: 225°F (107°C) continuous, 275°F (135°C) intermittent.
- FT 1123** 3-mil high-tack acrylic transfer adhesive with excellent initial tack and adhesion to a wide variety of substrates. Densified kraft release liner provides superior die cutting properties. Maximum operating temperature: 200°F (93°C) continuous, 250°F (121°C) intermittent.
- FT 1126** 5-mil high-tack acrylic transfer adhesive with excellent initial tack and bondability to a wide variety of substrates, especially textured substrates. Heavy adhesive mass and densified kraft release liner for superior die cutting properties. Maximum operating temperature: 200°F (93°C) continuous, 250°F (121°C) intermittent.
- FT 8346** 5-mil double-coated acrylic with excellent adhesion to low surface energy substrates, including foams. Good shear strength and temperature range. Maximum operating temperature: 200°F (93°C) continuous, 250°F (121°C) intermittent.
- HPA 1905** 5-mil acrylic with excellent adhesion for applications requiring good holding power under stress, load, and environmental resistance. Chemical, solvent, heat, humidity, and UV resistance. Thick adhesive mass allows for improved bonding and gap fill. Maximum operating temperature: 400°F (204°C) continuous, 450°F (232°C) intermittent.
- UHA 1198** Heavy 8-mil mass of firm rubber adhesive modified for higher temperature resistance and adhesion to low surface energy substrates. Maximum operating temperature: 225°F (107°C) continuous, 275°F (135°C) intermittent.

All Avery adhesives have a minimum application temperature of 50°F (10°C).

Storage and Shelf Life – One year when stored at 64-72°F (18-22°C), 30-70% relative humidity, out of direct sunlight and in original packaging.

Surface Preparation – It is essential, as with all pressure sensitive tapes, that the surface to which the tape is applied be clean, dry, and free of grease and oil.



ADVANCED THERMOPLASTIC SOLUTIONS

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