

APP Granulated Bright White Cap Sheet



RUBEROID® ENERGYCAP™ GAF TorchPlus GranuleFR Membrane



ITEM CODE: 386E

Description:

RUBEROID® EnergyCap™ Torch Plus Granule FR membrane is a premium APP modified bitumen membrane with a bright white granule surfacing that offers solar reflectance.

Uses:

RUBEROID® EnergyCap™ Torch Plus Granule FR membrane is suitable for new roofing and reroofing applications where long-term roof system performance is specified.

Advantages:

- Resilience — RUBEROID® EnergyCap™ Torch Plus Granule FR membrane's polyester mat core protects against splits and tears due to its pliability and elongation characteristics.
- Durability — Specially formulated modified asphalt gives RUBEROID® EnergyCap™ Torch Plus Granule FR membrane excellent performance.
- Reflectivity — RUBEROID® EnergyCap™ Torch Plus Granule FR membrane is available in a highly reflective bright white surfacing.
- Product warranties and system guarantees are available. Contact your local sales representative for requirements, availability, and limitations. See warranties and guarantees on gaf.com for complete coverage and restrictions.

Product Application:



Heat-Weld

Rated Product ID #: 0676-0025d		
	Initial	Aged
Solar Reflectance	0.71	0.68*
Thermal Emittance	0.90	0.90*
SRI	88	84*

The ratings above are subject to CRRC rating program conditions, requirements, and limitations. Visit coolroofs.org for important information and disclaimers about CRRC rating conditions, requirements, and limitations.

*CRRC Rapid Ratings: Interim laboratory-aged values that simulate naturally-aged values and will be replaced by the measured three-year naturally-aged values upon completion of the weathering process.

Storage and Handling:

To prevent damage, support rolls on end in an upright position and store in a clean, dry location, covering as necessary to protect from environmental damage. Monitor environmental conditions during storage, handling, and application.

Testing and Approvals:

- Classified by UL in compliance with ANSI/UL 790, including as a component of Class A fire resistance-rated roofing assemblies. Refer to UL Product iQ for specific assemblies.
- FM Approved — refer to roofnav.com for approved assemblies.
- Cool Roof Rating Council Rated Product.
- Texas Department of Insurance Report RC-49.
- Meets or exceeds ASTM D6222 Type II, Grade G.
- For additional information, contact GAF Design Services at 1-877-423-7663 or designservices@gaf.com.

Product Specifications:

ASTM D6222 Type II, Grade G

Roll Size*	106.9 ft. ² (10.0 m ²)
Roll Length	32' 6" (10.0 m)
Roll Width	39.5" (1.0 m)
Roll Weight	105 lb. (47.6 kg)
Roll Thickness	175 mils (4.5 mm)
Rolls per Pallet	25
Full Pallet Weight	2,675 lb. (1,213.4 kg)
Reinforcement	Polyester
Top Side Surfacing	Bright White Granules
Bottom Side Surfacing	Burn-Off Film

* Roll size as reported represents actual membrane dimensions and does not calculate installation using side and end lap recommendations.



Physical Properties:

Property	Standard Minimum Value	GAF Value
Thickness, min. mm (mils), Grade G	4.3 (170)	4.5 (175)
Peak load at 23 +/- 2° C (73.4 +/- 3.6° F) MD and CMD, before and after heat conditioning, min. kN/m (lbf/in.)	MD - 14.0 (80) CMD - 14.0 (80)	MD - 14.0 (80) CMD - 15.2 (87)
Elongation at 23 +/- 2° C (73.4 +/- 3.6° F) MD and CMD, before and after heat conditioning, min. at peak load (%)	MD - 40.0 CMD - 40.0	MD - 45 CMD - 52
Peak load at -18 +/- 2° C (0 +/- 3.6° F) MD and CMD, min. kN/m (lbf/in.)	MD - 15.8 (90) CMD - 15.8 (90)	MD - 16.6 (95) CMD - 18.3 (105)
Elongation at -18 +/- 2° C (0 +/- 3.6° F) MD and CMD, min. at peak load (%)	D - 15.0 CMD - 15.0	MD - 30 CMD - 34
Ultimate elongation at 23 +/- 2° C (73.4 +/- 3.6° F), min. MD and CMD (%)	MD - 50.0 CMD - 50.0	MD - 50 CMD - 54
Tear strength at 23 +/- 2° C (73.4 +/- 3.6° F) min. N (lbf)	356 (80)	489 (110)
Low-temperature flexibility, before and after heat conditioning, max. ° C (° F)	+0 (32)	-10 (14)
Dimensional stability, % change, max. change (%)	1	0.44
Compound stability, min. ° C (° F)	110 (230)	125 (257)
Granule embedment, max. loss (grams) Grade G only	2.00	1.66
Water absorption, max. (%)	3.2	2.9
Moisture content, max. (%)	1.0	<1.0
Low-temperature unrolling, ° C (° F)	5 (41)	-10 (14)
Net mass per unit area, min. g/m ² (lb./100 ft. ²)	4,882 (100)	4,882 (100)
Bottom side coating thickness, min. mm (mils)	1.0 (40)	1.0 (40)

NOTE: Values stated are average values and subject to normal manufacturing variation. These values are not guaranteed and are provided solely as a guide.



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