

# APP Granulated Ultra Bright White Cap Sheet



ITEM CODE: 386D

## Description:

RUBEROID® EnergyCap™ Torch Granule FR membrane is premium APP modified bitumen membrane with an ultra bright white granule surfacing that offers solar reflectance. Its core is a strong non-woven polyester mat.

## Uses:

This membrane is suitable for new roofing and re-roofing applications where long-term roof system performance is specified.

## Advantages:

- Durability — its polyester mat core protects against splits and tears due to its pliability and elongation characteristics. Its specially formulated modified asphalt ensures excellent performance.
- Reflectivity — RUBEROID® EnergyCap™ Torch Granule FR membrane is available in a highly reflective bright white granule 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](http://gaf.com) for complete coverage and restrictions.

## Product Application:



## 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.

	Rated Product ID #: 0676-0025c	
	Initial	Aged
Solar Reflectance	0.72	0.68*
Thermal Emittance	0.92	0.91*
SRI	89	83*

The ratings above are subject to CRRC rating program conditions, requirements, and limitations. Visit [coolroofs.org](http://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.

## Testing & Approvals:

- Classified by UL in accordance with ANSI/UL 790, including as component of Class A fire resistance rated roofing assemblies. Refer to UL Product iQ for specific assemblies.
- FM Approved – refer to [roofnav.com](http://roofnav.com) for approved assemblies.
- Cool Roof Rating Council Rated Product.
- Can be used to comply with 2022 Title 24, Part 6, Cool Roof requirements of the California Code of Regulations.
- Texas Department of Insurance Report RC-49.
- UL Evaluation Report UL ER1306-02.
- Meets or exceeds ASTM D6222, Type I, Grade G.
- For additional information, contact GAF Design Services at 1-877-423-7663 or [designservices@gaf.com](mailto:designservices@gaf.com).

## Product Specifications:

ASTM D6222 Type I, Grade G	
Roll Size*	106.9 ft. <sup>2</sup> (10.0 m <sup>2</sup> )
Roll Length	32' 6" (10.0 m)
Roll Width	39.5" (1.0 m)
Roll Weight	104 lb. (47.2 kg)
Roll Thickness	160 mils ( 3.8 mm)
Rolls per Pallet	25
Full Pallet Weight	2,650 lb. (1,202.0 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	4.0 (160)	4.0 (160)
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 - 8.8 (50) CMD - 8.8 (50)	MD - 14.0 (80) CMD - 12.3 (70)
Elongation at 23 +/- 2° C (73.4 +/- 3.6° F) MD and CMD, before and after heat conditioning, at peak load, min. %	MD - 23 CMD - 23	MD - 42 CMD - 50
Peak load at -18 +/- 2° C (0 +/- 3.6° F) MD and CMD, min. kN/m (lbf/in.)	MD - 10.5 (60) CMD - 10.5 (60)	MD - 16.6 (95) CMD - 14.0 (80)
Elongation at -18 +/- 2° C (0 +/- 3.6° F) MD and CMD, min. at peak load, %	MD - 10 CMD - 10	MD - 30 CMD - 30
Ultimate elongation at 23 +/- 2° C (73.4 +/- 3.6° F), MD and CMD, min. %	MD - 30 CMD - 30	MD - 48 CMD - 55
Tear strength at 23 +/- 2° C (73.4 +/- 3.6° F), min. N (lbf)	311 (70)	467 (105)
Low-temperature flexibility, before and after heat conditioning, max. ° C (° F)	+0 (32)	-10 (14)
Dimensional stability, max. change (%)	1.00	0.42
Compound stability, min. ° C (° F)	110 (230)	130 (266)
Granule embedment, max. loss, grams (Grade G Only)	2.0	1.66
Water absorption, max. %	3.2	2.8
Moisture content, max. %	1.0	<1.0
Low-temperature unrolling, max. ° C (° F)	5 (41)	-10 (14)
Net mass per unit area, min. g/m <sup>2</sup> (lb./100 ft. <sup>2</sup> )	4,150 (85)	4,185 (86)
Bottom side coating thickness, min. mm (mils)	0.76 (30)	0.78 (31)

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



Visit [gaf.com](http://gaf.com)

We protect what matters most™

