



# GAF RUBEROID®

## Torch Plus Granule FR Membrane



ITEM CODE: 3861

### Description:

RUBEROID® Torch Plus Granule FR Membrane is a premium, fire-rated modified bitumen membrane manufactured to stringent GAF specifications. Its core is a strong, heavyweight, resilient non-woven polyester mat that is coated with APP polymer-modified asphalt and surfaced with mineral granules.

### Uses:

RUBEROID® Torch Plus Granule FR Membrane is designed for new roofing and re-roofing applications where long-term roof system performance is specified.

### Advantages:

- Lighter weight — Installed premium roof designs weigh less than 3 pounds per square foot.
- Resilience — RUBEROID® Torch Plus Granule FR Membrane's heavyweight polyester mat core helps resist splits and tears due to its pliability and elongation characteristics.
- Durability — Specially formulated modified asphalt gives RUBEROID® Torch Plus Granule FR Membrane lasting performance.
- Available with black or white granule surfacing color options.
- 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.

### 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 accordance 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](http://roofnav.com) for approved assemblies.
- Miami-Dade County Product Control Approved.
- State of Florida Approved.
- Texas Department of Insurance Report RC-49.
- UL Evaluation Report UL ER1306-02.
- 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](mailto:designservices@gaf.com).



### Product Specifications:

ASTM D6222 Type II, Grade G	
Roll Size*	106.9 ft.2 (10.0 m²)
Roll Length	32' 6" (10.0 m)
Roll Width	39.5" (1.0 m)
Roll Weight	102 lb. (46.3 kg)
Roll Thickness	175 mils
Rolls per Pallet	25
Full Pallet Weight	2,600 lb. (1,179.3 kg)
Reinforcement	Polyester
Top Side Surfacing	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)	4.5 (175)
Peak load at 23 +/- 2° C (73.4 +/- 3.6° F) MD and CMD, before and after heat conditioning, kN/m (lbf/in.), min.	MD - 8.8 (50.0) CMD - 8.8 (50.0)	MD - 17.9 (102) CMD - 15.8 (90)
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 - 45 CMD - 50
Peak load at -18 +/- 2° C (0 +/- 3.6° F) MD and CMD, kN/m (lbf/in.), min.	MD - 10.5 (60) CMD - 10.5 (60)	MD - 22.8 (130) CMD - 21.0 (120)
Elongation at -18 +/- 2° C (0 +/- 3.6° F) MD and CMD, at peak load, % min.	MD - 10 CMD - 10	MD - 42 CMD - 44
Ultimate elongation at 23 +/- 2° C (73.4 +/- 3.6° F), MD and CMD, % min.	MD - 30 CMD - 30	MD - 58 CMD - 60
Tear strength at 23 +/- 2° C (73.4 +/- 3.6° F) N (lbf), min.	311 (70)	631 (142)
Low-temperature flexibility, before and after heat conditioning, ° C (° F), max.	+0 (32)	-10 (14)
Dimensional stability, % change, max.	1.00	0.42
Compound stability, ° C (° F) min.	110 (230)	130 (266)
Granule embedment, max. loss, grams (Grade G Only)	2.0	1.4
Water absorption, % max.	3.2	3.1
Moisture content, % max.	1.0	<1.0
Low-temperature unrolling, ° C (° F), max.	5 (41)	-10 (14)
Net mass per unit area, min., g/m² (lbs./100 ft.²)	4,150 (85)	4,165 (85)
Bottom side coating thickness, min. mm (mils).	0.76 (30)	0.77 (30)

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.



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