

**TECHNICAL DETAILS**

**TOTAL SOLAR REFLECTANCE**

Minimum of 0.73  
(3M TM067 - measured on full grade)

**PACKAGING**

5-gallon pails  
18.9 L

**OPACITY**

Protects Asphalt Substrate  
from the effects of sunlight

**BULK DENSITY**

71-78 lbs./ft<sup>3</sup> Packed  
(3M TM058)

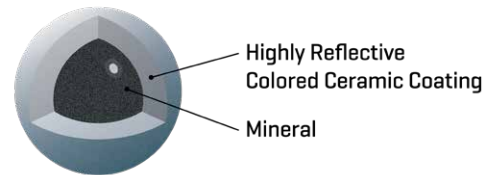
**SPECIFIC GRAVITY**

2.55-2.70  
(Helium pycnometry)

**COLOR**

Bright White

## SOLAR REFLECTIVE GRANULES



**PRODUCT USE**

Malarkey's highly reflective granules from 3M™ are ceramic-coated minerals used as surfacing material in steep and low slope asphalt roofing products and designed specifically to have a higher total solar reflectance than standard granules. The granules are similar in sieve size to a #11 granule used in roofing and due to their high reflectivity, can be broadcast into seams when using Malarkey RCap™ membranes.

**COMPOSITION & MATERIALS**

The granules are colored with durable pigments, bonded in a ceramic matrix, and treated to promote adhesion to asphalt.

**Grade:** (3M TM-006 or 3M TM-085)

% RETAINED U.S. SIEVE NO.	NOMINAL OPENING	TYPICAL % RANGES*
8	2.36 mm	0 - 0.5
12	1.70 mm	2 - 20
16	1.18 mm	40 - 60
20	850 microns	25 - 45
30	600 microns	5 - 15
40	425 microns	0 - 5
>40	<425 microns	0 - 1

\*Typical retained range.

**TECHNICAL ASSISTANCE:**

Malarkey has technical services assistance available.  
Contact Malarkey for details:  
Call weekdays 7:00 am to 5:00 pm Pacific Time  
at 800.545.1191 or 503.283.1191.  
technicalinquiries@malarkeyroofing.com

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