

## 3M™ Highly Reflective Granules Little Rock

### Product Data Sheet

3M Highly Reflective Granules are ceramic-coated minerals used as surfacing material in asphalt roofing products and are designed specifically to have a higher total solar reflectance than standard granules. These 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)

<u>% Retained U.S. Sieve No.</u>	<u>Nominal Opening</u>	<u>Typical % Ranges*</u>
8	2.36 mm	0 – 3
12	1.70 mm	10 – 40
16	1.18 mm	35 – 65
20	850 microns	10 – 40
30	600 microns	0 – 5
<30	<600 microns	0 – 1

\*Typical retained range; not covered by specification.

**Total Solar Reflectance:** Minimum of 0.73 (3M TM067 – measured on full grade)

**Dust:** 1% Maximum <100 Mesh US Sieve (150 µm) (3M TM045)

**Moisture Content:** 0.5% Maximum (3M TM057)

**Opacity:** 3M Roofing Granules are opaque to protect the asphalt substrate from the effects of sunlight

**Bulk Density:** 74 - 81 lbs./ft.<sup>3</sup> Packed (3M TM058)

**Specific Gravity:** 2.55-2.70 (Helium pycnometry)

**Color:** White

**Availability:** 3M Industrial Mineral Products Division  
Little Rock, AR 501-490-1509, Fax 501-490-1407

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