

3M[™] 7000 Series Copper Granules Wausau

Product Data Sheet

3M 7000 Series Copper Granules, EPA Reg. No. 10350-63, are ceramic-coated minerals used as surfacing material in asphalt roofing products. These granules are colored with durable pigments, bonded in a ceramic matrix and treated to promote adhesion to asphalt. These copper containing granules are part of a system that is used to control algae.

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

% Retained Specification				
<u>Minimum</u>	<u>Maximum</u>	U.S. Sieve No.	Nominal Opening	Typical % Ranges*
0.0	0.1	8	2.36 mm	-
4.0	10.0	12	1.70 mm	-
=	-	16	1.18 mm	30 - 50*
-	-	20	850 μm	20 - 40*
=	-	30	600 μm	10 - 30*
-	-	40	425 μm	1 - 10*
0.0	2.0	-40	-425 μm	-

^{*}Typical retained range; not covered by specification.

Dust: 0.2% Maximum <100 Mesh US Sieve (150 μm) (3M TM045)

Deoiled Color: Shipments will be +/- 2.0 unit to standard for L*, a*, and b* (3M TM007)

Moisture Content: 0.3% Maximum (3M TM057)

Color Durability: Has been proven by long-term field performance and accelerating weather tests

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

Hardness: 6.0-7.0 Moh's Mineral Scale

Bulk Density: 97-107 lbs./ft.3 Packed (3M TM058)

Specific Gravity: 2.61-2.91 (3M TM001)

Minimum Copper Content: 3.55 wt% Cu₂O (XRF reading for shipment composite sample per 3M TM053)

Colors: Grey

Availability:

3M Industrial Mineral Products Division

Wausau, Wisconsin 715-845-7241, Fax 715-845-0271

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