

3M™ Headlap Roofing Granules Wausau

Product Data Sheet

3M Headlap Roofing Granules are ceramic-coated or natural minerals used as headlap surfacing material in asphalt roofing products. These granules are treated to promote adhesion to asphalt. These headlap products are not designed to be used in lieu of or substituted for prime granules.

- Natural Headlap:** This headlap has not had any ceramic coating applied to the base mineral. Color is not warranted.
- Rainbow Headlap:** This headlap is any combination of ceramic coated mineral and is sold on an “as available” basis only. Color is not warranted.
- Darkened Headlap:** This headlap is principally darkened and may contain a partial amount of gray colored coated granules and/or Natural Headlap. Color is not warranted.

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

<u>% Retained Specification</u>		<u>U.S. Sieve No.</u>	<u>Nominal Opening</u>	<u>Typical % Ranges*</u>
<u>Minimum</u>	<u>Maximum</u>			
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)

Moisture Content: 0.3% Maximum (3M TM057)

Opacity: 3M Roofing Granules are opaque to protect the asphalt substrate from the effects of sunlight
*Natural headlap, while generally opaque, does not have a ceramic coating and its opacity is subject to the naturally occurring variability of the rock.

Hardness: 6.0-7.0 Moh's Mineral Scale

Bulk Density: 92-104 lbs./ft.³ Packed (3M TM058)

Specific Gravity: 2.60-2.90 (3M TM001)

Availability: 3M Industrial Mineral Products Division
Wausau, Wisconsin 715-845-7241, Fax 715-845-0271

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