

3M™ Headlap Roofing Granules Corona

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.
- Special Headlap:** This headlap has been blackened or otherwise contains dark colored granules and is sold on an “as available” basis only. 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	12.0	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	4.0	-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: 89-99 lbs./ft³ Packed (3M TM058)

Specific Gravity: 2.55-2.70 (3M TM001)

Availability: 3M Industrial Mineral Products Division
Corona, California 951-737-3441, Fax 951-735-9146

Warranty, Limited Remedy, and Limitation of Liability: 3M roofing granules are designed and intended for roofing applications; unless 3M separately agrees in writing any other use is not recommended or supported. Many factors that are uniquely within user's knowledge and control can affect the use and performance of 3M roofing granules in a particular application. The user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for the user's process and roofing application. Unless an additional warranty is specifically stated in a written agreement between 3M and the user, 3M warrants only that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the 3M product does not conform to this warranty, the exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price. Except where prohibited by law, 3M will not be liable for any loss or damage arising from the performance, use or inability to use 3M products, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted.