3M™ Classic Granules - #11 Grade Pittsboro

Product Data Sheet

3M #11 Grade Roofing Granules 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.

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

% Retained Specification				
Minimum	***Maximum***	***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 ± 1.0 unit to standard for L*a*b* (3M TM007)

Moisture Content: 0.3% Maximum (3M TM057 or 3M TM098)

Color Durability: 3M Roofing Granules primarily contain inorganic pigments which are expected to be resistant to color change. 3M Roofing Granules are routinely monitored via natural field weathering

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

Hardness: 5.0-6.0 Moh's Mineral Scale

Bulk Density: 98-104 lbs./ft.^{3} Packed (3M TM058)

Specific Gravity: 2.70-2.90 (3M TM001)

Colors: Various shades of Black, Brown, Buff, Green, Grey, Olive, Red, White

Availability: 3M Industrial Mineral Products Division
Moncure, North Carolina, 919-642-0006, Fax 919-642-4017

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