



Roofing Granule

Data Sheet

Blended #11 Grade

Little Rock

3M #11 Grade Blended Roofing Granules are combinations of 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

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

Deoiled Color: Individual product components will be +/- 1.0 unit to standard for L*a*b* (3M TM007)

Moisture Content: 0.3% Maximum (3M TM057)

Color Durability: Has been proven by long-term field performance and accelerated weathering 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: 90-96 lbs./ft³ Packed (3M TM058)

Specific Gravity: 2.55-2.70 (3M TM001)

Colors: Various combinations of Black, Brown, Buff, Tan, Grey

As a convenience to our Customers, blends are prepared and released visually to a Representative Target sample. 3M makes no warranty to the blend control or the appearance beyond the presence of each of the individual colors in the blend.

Color	Blends			
	LRB401	LRB501	LRB601	LRB701
41	X		X	X
46	X			
51	X	X		
53		X		
65			X	
68			X	X
71				X
76				X

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

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