

Estes' PermaColor Quartz Granules

Product Data Sheet

Grade: Broadcast Medium, Broadcast Fine, Trowel-Rite, Super Trowel-Rite

General Data		
Property	Measuring Standards	Value
Hardness	Moh's Hardness Scale	6.5-7
Bulk Density	ASTM C29/C29M-97 (2003)	90-100 Lbs./ Cu. Ft.
Specific Gravity	ASTM C128-01e1	2.65

Composition (Typical)	
Material	% Weight
Silica Sand	97.5
Resin	2.0
Various colorants	0.5

Chemical Analysis (Typical base mineral)				
SiO ₂	Fe ₂	Al ₂ O ₃	CaO & MgO	Loss on Ignition
99.808%	0.016%	0.042%	0.200%	0.100

Sieve Analysis (ASTM D451-91 (2002))							
Mesh (% Retained)	16	20	30	40	50	70	100
Retained- BC Fine			0.3	6.1	27.2	40.0	22.4
Retained- BC Med		9.0	12.4	54.0	22.0	1.9	0.7
Retained- Trowel-Rite	<1	45.0	49.0	6.0	<1		
Retained- Super Trowel-Rite	48.0	51.0	1.0	<1			

PermaColor Quartz Granules are available in **sixteen** standard colors:

Teal	Yellow	OSHA Yellow	Buff
Teak	Chocolate	Tan	Blue
Light Beige	Gray	Black	Blue Gray
Green	Camel	Red	White

Estes' PermaColor Quartz Granules consist of quality crystalline quartz colored with a high performance surface coating. They are designed for use in a variety of resin systems, including epoxies, urethanes and acrylics.