

CLIFFORD W ESTES COMPANY, INC
973-575-4400
www.estesco.com

ESTES' Permacolor Quartz Granules HP
TECH DATA SHEET

(2026)

Grade: Broadcast Fine, Broadcast Medium, 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)	90-100lbs./cu.ft.
Specific Gravity	ASTM C128-01e1	2.65

Composition (Typical)

Material	% Weight
Silica Sand	97.85
Resin	0.95
Various Colorants	1.2

Chemical Analysis (Typical base mineral)

SiO ₂	Fe ₂	Al ₂ O ₃	CaO & MgO	Loss on Ignition
99.81%	0.02%	0.04%	0.20%	0.100

Sieve Analysis (ASTM D451-91 (2002))

Mesh (%Retained)	18	20	30	40	50	70	100
BC Fine				<2	37	44	11
BC Medium		<1	13	64	19	3	1
Trowel-Rite	<1	45	49	5	<1		
Super Trowel-Rite	42	54	>3	<1			

The data set forth in this Product Data Sheet represents typical properties of the product described, the information and the typical values are not specifications. The Clifford W. Estes Company can not be responsible for the end use of this product. Final suitability of the product is the responsibility of the user.