

Physical Properties of 3M Colorquartz™ Aggregate			
Property	Standards & Conditions	Results	
Size	ASTM D 451	U.S. Sieve	% Retained
Grade S (spherical shape)		20	0-1
		30	5-15
		40	50-70
		50	15-30
		70	0-5
		-70	0-1
Size	ASTM D 451	12	0-4
Grade T (angular shape)		16	20-35
		20	25-40
		30	20-30
		40	5-15
		-40	0-4
Hardness	Moh's Mineral Scale	6 1/2 - 7	
Bulk Density	ASTM C 29	100 - 108 lb. ft. (packed)	
Moisture Content		Does not exceed 0.5%	
Porosity		Does not exceed 2.0%	

Chemical Resistance of 3M Colorquartz™ Aggregate				
Acid Resistance				
Acid Material	Concentration			Reaction
Nitric	70	36	18	None
Hydrochloric	37	19	9	None
Acetic	100	50	25	None
Sulfuric	95	48	24	None
Chloric	82			None
Aluminum Sulfate ¹	25			None

Chemical Resistance of 3M Colorquartz™ Aggregate			
Alkaline Resistance			
Alkaline Material	Concentration		
Trisodium Phosphate	10	20	40
Sodium Carbonate	10	20	40
Ammonium Hydroxide (Industrial Detergent 1:2, Detergent:water)	14	28	

Tests were conducted for 18 hours immersion

(1) 90 hours immersion

ate
Reaction
None
None
None