

INDUSTRIAL
CHEMICALS
DIVISION



Bulletin 17-2F

Typical Property Data for PQ[®] Zeolite Products

PQ's Zeolite Products are hydrated sodium aluminosilicate powders manufactured for use in detergent (VALFOR[®]) and functional fill, such as a heat stabilizer in halogenated polymers (ADVERA[®]) applications. PQ Zeolites can be used in general purpose industrial applications where ion exchange, absorption, separation, sieving, neutralization, and carrier/ filler functions are needed. For additional information, see our website: www.PQCorp.com

PQ Zeolite Products are characterized by the typical property data shown below. The properties and ranges shown are typical values, not manufacturing specifications. Physical properties are measured at 20°C (68°F). For more information, please contact PQ Technical Service at 416-201-4355.

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PQ Corporation is a leading producer of silicate, zeolite, and other performance materials serving the detergent, pulp and paper, chemical, petroleum, catalyst, water treatment, construction, and beverage markets. It is a global enterprise, operating in 21 countries on five continents, and along with its chemical businesses, includes Potters Industries, a wholly owned subsidiary, which is a leading producer of engineered glass materials serving the highway safety, polymer additive, metal finishing, and conductive particle markets.

Property	VALFOR [®] 100	ADVERA [®] 401	ADVERA [®] 401P	ADVERA [®] 401PS
Chemical Composition	17% Na ₂ O, 28% Al ₂ O ₃ , 33% SiO ₂ , 22% H ₂ O			
% Moisture Loss (±2%) at 800°	20			
Medial Particle Size, micron	3-6	3-6	3-6	2-5
Bulk Density, lb/ft ³ (g/cm ³)	33 (0.5)	28 (0.4)	28 (0.4)	28 (0.4)
pH of 1% Dispersion	11	11	11	11
Color	White (Hunter L>98)			
Calcium Exchange Capacity, mg CaCO ₃ /g anhydrous zeolite	280	-	-	-
Surfactant adsorption, wt%	35	-	-	-

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