



GNP Graystar

Specialty Materials



TECHNICAL DATA SHEET

Zeolite

Typical Chemistry and Properties				
	ZP-4A	ZP-4A-TSR	ZP-4A-LD	ZP-4A-HD
% Na ₂ O	17 - 19			
% Al ₂ O ₃	28 - 30			
% SiO ₂	31 - 34			
% H ₂ O	18-22			
%Na ₂ SO ₄	0			1.5-2.5
Anhydrous Solids Content (1h/800°C)	78 -82 %			79-85%
Reflectance (R 460)	Min. 94 %			
Bulk Density (g/l)	280 - 380		-	-
Tap Density (g/l)	-	-	Max. 500	Min. 630
pH (5% Slurry)	11 - 12			
Calcium Ion Exchange Capacity	Min. 160 mg CaO / g Anhydrous			
Static Water Adsorption*	-	-	-	Min. 25
Water Absorption Capacity (WAC)**	-	-	Min. 24	-
Particle Size Distribution				
> 10 microns	Max. 10 %			
< 1 microns	Max. 10 %			
Avg. Particle Size (d50)	3 - 5			
Wet Sieve Residue (on 45 µm)	0.2 %	0 %	0.2 %	
Characteristics	Fine, White Powder with No Visible Impurities			

Description:

GNP Graystar's Zeolite are synthetic porous aluminosilicate materials. Due to uniform pore distribution they are also known as molecular sieves. This ability to act as an adsorbent opens its use into a large variety of applications.

Applications:

GNP Graystar's Zeolites are used in multiple applications such as detergents, PVC stabilizers, brake pads, water treatment, construction (concrete/ asphalt), agriculture, adsorbents in pharmaceutical & food packaging, manufacture of paints, coatings & paper, as an odor removal agent, and many, many more applications.

info@GNPGraystar.com

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*(25°C, RH=55%, 24h)-Climate Chamber

** (23°C +/- 2°C, RH=55%, 24h)-Desiccator

Northern Office
37 John Glenn Dr.
Amherst, NY 14228
716.759.6600

www.GNPGraystar.com

Southern Office
9 Simmonsville Rd.
Bluffton, SC 29910
843.815.5600