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# ASP<sup>®</sup> 101

## Hydrous Aluminum Silicate

### Product Description

ASP 101 kaolin is a stearate-treated, fine particle size, hydrous aluminum silicate, designed to provide hydrophobicity. It is available as a fine, pulverized powder and is easily dispersed in solvent systems. It is used in solvent-borne paints and coatings requiring water resistance, ease of dispersion, and low moisture absorption.

### Application Information

ASP 101 is widely used in lithographic ink applications and in coatings applications that require hydrophobicity. ASP 101 finds use in a variety of polymeric systems where ease of dispersion, hydrophobicity, and abrasion resistance are needed. ASP 101 kaolin is also used as an anti-blocking agent in polyethylene film applications. Typical applications include solvent-borne offset inks, film-antiblock, industrial coatings and mechanical rubber goods.

Physical Properties	Typical Value
Physical Form	Highly Pulverized Powder
Special Modifications	0.5% Stearate
GE Brightness (%)	88
Screen Residue, 325 Mesh (%)	0.03
Free Moisture (%) measured at 105°C	1.0
pH (20% solids)	4
Median Particle Size, Sedigraph (µm)	0.4
Specific Gravity (g/cm <sup>3</sup> )	2.58
Bulk Density, Loose lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	18 / 290
Bulk Density, Tamped lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	30 / 480
Oil Absorption, Rubout (ASTM D-281)	43

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