

HYDREX® P (US)

Precipitated Magnesium Aluminosilicate

Characteristic physico-chemical data*

Properties and test methods	Unit	Value
Median particle size	µm	6
Loss on ignition	%	10
Einlehner abrasion	mg	3
Refractive index	20°C	1,56
Linseed oil absorption	ml/100g	130
ISO brightness	%	98
Bulk density	kg/m ³	220
pH value, 20 % in water	-	6,5
Loss on drying	%	6

*) The given data are typical values. Specifications on request.

Certifications and Classifications

HYDREX® P (US)

CAS-No.	12040-43-6
<ul style="list-style-type: none"> Quality excellence achieved through GMPs and ISO:9001 certifications 	

HYDREX® P synthetic Magnesium Aluminosilicate has neutral pH, fine particle size, high brightness and oil absorption. These properties together with superior light scattering power and unique structure provide high performance in paper filling and coating applications. The performance is primarily seen in paper as improved brightness, opacity, printability and friction. HYDREX® P Magnesium Aluminosilicate is also suitable for partial or total TiO₂ replacement depending on the paper application and is suitable for acid and alkaline paper environments.

Properties and applications

- Excellent opacifier
- High brightness
- Improved printability
- Low abrasion
- Controlled particle size and morphology
- High bulk

Safety and Handling

Information concerning the safety of this product is listed in the corresponding Safety Data Sheet. We recommend to read carefully the Safety Data Sheet prior to the use of our product.

Packaging and storage

For details regarding our packaging options for this product, please contact your local sales representative. Our silica products are inert and extremely stable chemically. However, due to their high specific surface area, they can absorb moisture and volatile organic compounds from the surrounding atmosphere. Therefore, we recommend storing the products in sealed containers in a dry, cool place, and removed from volatile organic substances. Even if a product is stored under these conditions, after a longer period it can still pick up ambient moisture over time, which could lead to its exceeding the specified moisture content.

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