

Product Information

GRACE Davison

DAVISIL[®] CHROMATOGRAPHIC SILICA

LC60Å 40–63 micron

Product Description

Davisil[®] LC60Å 40–63 micron is a white powder consisting of synthetic, amorphous silica.

PRODUCT SPECIFICATIONS			
Property	Unit	Specification	Test Method
<u>Chemical</u>			
Moisture @ 160°C	% weight	6.0 max	GRACE Q 09
SiO ₂ (DRY BASE)	%	99.4 min	DIN 55921
PH		6.0 – 8.0	DIN EN ISO 787-9
<u>Particle size</u>			
Malvern Mastersizer 2000			
Average Particle size	Microns	48.2 – 65.3	GRACE Q 13
<u>Physical</u>			
Pore Volume (H ₂ O)	ml/g	0,8 – 1,0	GRACE Q 53
Surface Area (BET)	m ² /g	500 - 600	GRACE Q 58

The following Typical Properties data are given for informational purposes only, and are not to be interpreted as product or in-process specifications.

TYPICAL PROPERTIES		
Property	Unit	Typical Value
Na ₂ O (dry base)	%	0.1
Bulk Density	g/l	420

Recommended Applications

Davisil[®] LC60Å 40-63 micron is a silica packaging for liquid chromatographic normal phase separations with low operating pressure, a substrate for supporting surface functionalization, and as an adsorbent in continuous stirred tank processes.

The **GRACE Davison** Product Lines

Alltech

DAVISIL

CROM

JONES
CHROMATOGRAPHY

MODcol

VYDAC



Certified Quality System DIN ISO 9001 DQS Reg. No. 0924

see reverse side also

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Packaging Information

Davisil LC60Å 40-63 micron is supplied in buckets and drums

PACKAGING				
Cat. #	Package Size	Package Type	Packages per Pallet	Pallet Size
5054993	25kg	80.0L drum	6 drums/pallet (150kg/pallet)	800 x 1200mm
5098468	5kg	16.0L bucket	10 buckets/pallet (50kg/pallet)	1000 x 1200mm

Handling & Storage Recommendations

Like all other finely powdered products Davisil® LC60Å 40-63 micron has a tendency to develop dust. During handling, precautions should be taken against electrostatic discharge. Additional information can be found in our Safety Data Sheet. Storage in a dry warehouse is recommended. Open packages should be resealed to prevent contamination of the product. The material should be used within 24 month from the date of production.

Health & Safety Information

Davisil® LC60Å 40-63 micron is a synthetic, amorphous silica. Information to date indicates that the dust from the product is not toxic and does not cause fibrosis. The Occupational Exposure Limit in Germany is 4 mg/m3 for total dust (MAK). Additional information can be found in our Safety Data Sheet. Please refer also to national laws and regulations.

Other Information

The information contained herein is based on our testing and experience, and is offered for the user's consideration, investigation and verification. Since operating and use conditions vary and since we do not control such conditions, we must DISCLAIM ANY WARRANTY, EXPRESSED OR IMPLIED, with regard to results to be obtained from the use of this product. Accordingly, save in the event of gross negligence or willful misconduct of ourselves and our agents, we will not be liable for any damages resulting from errors, omissions or non-compliance of the information set forth herein. Further, please read all statements, recommendations or suggestions in conjunction with our General Conditions of Delivery, Performance and Payment, which limits our liability with respect to all goods supplied by us. Test methods are available on request.

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DAVISIL® LC60Å 40-63µm
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