

Product data sheet

Type	GSAB 99.00.040																									
General properties Type of material Shape	Expanded clay spherical																									
Geometrical properties Aggregate size Fines (< 0,063 mm)	4/8 < 1,5	mm M.-%																								
Physical properties Loose bulk density Particle density Water absorption w_{60} Water absorption w_{24h} Crushing resistance Freezing and thawing resistance	325 ± 25 610 ± 50 12 ± 4 18 ± 4 > 1,25 < 2,0	kg/m ³ kg/m ³ M.-% M.-% N/mm ² M.-%																								
Chemical properties Chloride Acid-soluble sulfur Total sulfur	< 0,02 < 0,8 < 1,0	M.-% M.-% M.-%																								
Chemical composition SiO ₂ Al ₂ O ₃ Fe ₂ O ₃ CaO Trace elements	55 ± 5 24 ± 5 14 ± 5 5 ± 5 2 ± 2	% % % % %																								
Other Properties Thermal conductivity λ_R Fire resistance	0,10 A1 (DIN 4102)	W/(mK)																								
Grading (annual production statistics 2012)																										
<p>The graph displays the grading curve for the product. The x-axis represents Sieve opening [mm] from 0 to 10, and the y-axis represents Passing [M.-%] from 0 to 100. Three curves are shown: Mean (solid line with circles), 5% - fractile (dashed line with circles), and 95% - fractile (dotted line with circles). All curves start at 0% passing for 4 mm and reach 100% passing at 10 mm. The 5% fractile curve is the lowest, and the 95% fractile curve is the highest.</p> <table border="1"> <caption>Approximate data points from the grading curve graph</caption> <thead> <tr> <th>Sieve opening [mm]</th> <th>Mean [M.-%]</th> <th>5% - fractile [M.-%]</th> <th>95% - fractile [M.-%]</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>5</td> <td>15</td> <td>10</td> <td>20</td> </tr> <tr> <td>6</td> <td>35</td> <td>25</td> <td>45</td> </tr> <tr> <td>8</td> <td>90</td> <td>85</td> <td>95</td> </tr> <tr> <td>10</td> <td>100</td> <td>100</td> <td>100</td> </tr> </tbody> </table>			Sieve opening [mm]	Mean [M.-%]	5% - fractile [M.-%]	95% - fractile [M.-%]	4	0	0	0	5	15	10	20	6	35	25	45	8	90	85	95	10	100	100	100
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4	0	0	0																							
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10	100	100	100																							