

TECHNICAL PRODUCT INFORMATION

PRODUCT	GLASS BEADS																		
TYPE	FOR BLASTING																		
DESCRIPTION	Clear and highly round glass microspheres for use as blasting media in surface treatments																		
ADVANTAGES	<p>POWERFUL * VERSATILE * FLEXIBLE*ECONOMIC * EFFICIENT * ENVIRONMENTALLY SAFE</p> <p>SWARCO's small, spherically shaped glass beads are the ideal medium for both smooth and efficient surface treatments. SWARCO glass beads are characterized by a high degree of roundness, purity and clarity. Their shape results in material-friendly impacts leaving the work piece surface intact. The glass material is a clean and neutral medium that does not intermingle with the treated material. SWARCO glass beads do not cause silicosis. They are available in a wide range of grain sizes, which guarantees tailor-made sieving for the desired surface treatment applications.</p>																		
SIEVING RANGES	<table> <tr> <td>1 - 50 µ</td> <td>150 - 250 µ</td> <td></td> </tr> <tr> <td>40 - 70 µ</td> <td>200 - 300 µ</td> <td></td> </tr> <tr> <td>50 - 105 µ</td> <td>200 - 400 µ</td> <td></td> </tr> <tr> <td>70 - 110 µ</td> <td>300 - 400 µ</td> <td></td> </tr> <tr> <td>90 - 150 µ</td> <td>400 - 600 µ</td> <td></td> </tr> <tr> <td>100 - 200 µ</td> <td>400 - 800 µ</td> <td>Other sizes on request</td> </tr> </table>	1 - 50 µ	150 - 250 µ		40 - 70 µ	200 - 300 µ		50 - 105 µ	200 - 400 µ		70 - 110 µ	300 - 400 µ		90 - 150 µ	400 - 600 µ		100 - 200 µ	400 - 800 µ	Other sizes on request
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TECHNICAL DATA																			
Specific weight:	approx. 2.3-2.6 g/cm ³																		
Bulk weight:	approx. 1.4-1.7 kg / l																		
Hardness by Mohs:	approx. 6-7																		
by Vickers:	approx. 466 – 495 HV																		
by Rockwell:	approx. 46 – 48 HRC																		
Storage:	dry and sheltered																		
REQUIREMENTS																			
Material	The glass beads are melted made of soda glass break. Impurities are only to approx. 0.1 thread % permissible.																		
Chemical composition	<table> <tr> <td>SiO₂ min. 65.0 %</td> <td>Al₂O₃ 0.5-2.0 %</td> <td>Fe₂O₃ max. 0.15 %</td> </tr> <tr> <td>MgO min. 2.5 %</td> <td>CaO min. 8.0 %</td> <td>Na₂O min. 14.0 %</td> </tr> <tr> <td>other max. 2.0 %</td> <td></td> <td></td> </tr> </table>	SiO ₂ min. 65.0 %	Al ₂ O ₃ 0.5-2.0 %	Fe ₂ O ₃ max. 0.15 %	MgO min. 2.5 %	CaO min. 8.0 %	Na ₂ O min. 14.0 %	other max. 2.0 %											
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PACKAGING	paper bags of 25 kg net (standard), or upon request																		
SPECIFICATIONS	SWARCO Glass Beads comply with relevant international standards, e.g. ASTM, DIN 8201, ISO 9001																		
PRODUCTION & SALES	<p>SWARCO VESTGLAS GmbH Rumplerstraße 12, D-45659 Recklinghausen T. +49-2361-6094-0, F. +49-2361-6094-55 E. office.vestglas@swarco.com Website: www.swarco.com/vestglas</p>																		

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable but the accuracy and completeness thereof is not guaranteed. Data is subject to alteration due to technical advances.