E-mail: info@dansand.dk
Tel: +45 8682 5811
Responsible: Linette Helbo Jensen
Item number: 226100, 229100, 229125, 229375, 229500, 233100, 233150, 241000, 302915, 302925, 303325, 500026, 500029, 500033, 500040
Variant:
Producer: DANSAND A/S, Lervejdal 8B, 8740 Brædstrup
Product designation: Washed, kiln-dried and sorted silica sand

Foundry sand

Your foundry sand experts

Description

DANSAND® Foundry Sand is developed for castings of liquid metals in various compositions. Silica sand for foundry must have a high quartz content, must be well defined and it must be as dust-free as possible. At Dansand®, we have developed a process in which the sand is first washed and hydro-classified, then oven-dried using natural gas and finally sifted to standard sortings. The purpose of the process is to achieve high sintering temperatures, high chemical purity and a low slurry content - a process that ensures you a good and safe casting of the different types of goods. We offer four standard grades, and we are also capable of supplying special grades per request.

BENEFITS OF DANSAND FOUNDRY SAND

- High silica content
- Well-defined grain curves
- Low dust content
- Low slurry content
- High chemical purity
- High sintering temperatures

Specifications

Product name: Dansand® No. 26 (0.13-0.36 mm)
Product description: Oven-dried silica sand
Product number: 226100, 500026

Properties	Test method	Expected value	Variation range
Medium grain size - mm		0.26	0.24-0.28
American fineness no.		55	50-60
Theoretical surface cm^2/g		95	85-105
Grain uniformity		80	70-90
Density – kg/m^3	DS/EN 1097-6	2640	2620-2660

SiO2 – %		98 %	> 96 %
Sifting analysis EN 933-1	Loss - %		
Nominal grain size – mm	2	100	
	1.4	100	
	1	100	
	0.71	100	
	0.5	99,5	
	0.355	89	
	0.25	46	
	0.18	17	
	0.125	3	
	0.090	0.6	
	0.063	0.2	

Product name: Dansand® No. 29 (0.18-0.50 mm)
Product description: Oven-dried silica sand
Product number: 229100, 229125, 229375, 229500, 302915, 302925 og 500029

Properties	Test method	Expected value	Variation range
Medium grain size - mm		0.29	0.28-0.31
American fineness no.		45	45-55
Theoretical surface cm²/g		75	75-90
Grain uniformity		62	60-80
Density – kg/m³	DS/EN 1097-6	2640	2620-2660
SiO2 – %		98 %	> 96 %
Sifting analysis EN 933-1	Loss - %		

Nominal grain size – mm	2	100
	1,4	100
	1	100
	0.71	100
	0.5	99
	0.355	71
	0.25	31
	0.18	9
	0.125	1.6
	0.090	0.5
	0.063	0.2

Dansand® No. 33 (0.18-0.71 mm)
Product description: Oven-dried silica sand
Product number: 233100, 233150, 303325 og 500033

Properties	Test method	Expected value	Variation range
Medium grain size - mm		0.41	0.37-0.45
American fineness no.		35	30-40
Theoretical surface cm^2/g		55	50-60
Grain uniformity		90	83-97
Density – kg/m^3	DS/EN 1097-6	2640	2620-2660
SiO2 – %		98 %	> 96 %
Sifting analysis EN 933-1	Loss - %		

Nominal grain size – mm	2	100
	1.4	100
	1	100
	0.71	99.5
	0.5	84
	0.355	26
	0.25	6
	0.18	1.7
	0.125	0.5
	0.090	0.3
	0.063	0.2

Dansand® No. 40 (0.25-0.71 mm)
Product description: Ovntørret kvartssand
Product number: 241000, 500040

Egenskaber	Prøvningsmetode	Forventelig værdi	Variationsbånd
Middelkornstørrelse - mm		0,41	0,37-0,45
Kornfinhedsnummer (AFS nr.)		35	30-40
Teoretisk kornoverflade – cm^2/g		55	50-60
Gleichmässigkeitsgrad (GG):		90	83-97
Densitet – kg/m^3	DS/EN 1097-6	2640	2620-2660
SiO2 – %		98 %	> 96 %
Sigeteanalyser iht. EN 933-1	Gennemfald - %		

Nominel kornstørrelse – mm	2	100
	1,4	100
	1	100
	0,71	99,5
	0,5	84
	0,355	26
	0,25	6
	0,18	1,7
	0,125	0,5
	0,090	0,3
	0,063	0,2

OTHER PROPERTIES (GUIDELINE ONLY, DEPENDS ON SAND TYPE)

Other properties (guideline only)

Hardness	7 mohs
Bulk density	1.4 - 1.6 g/cm3
Humus	approximately 0-1
L.O.I.	approximately 0.2%
pH value	approximately 6.0
Fines	approximately 0.2-0.3%
Sinter	1300-1600°C
SiO2	approximately 94-99

STORAGE

Dry, covered and with no risk of contamination

DELIVERY

The products are delivered as bulk in silo cars, in big bags or in 25 kg bags.

Documentation

DOWNLOADS

- Product declaration Dansand® No. 26 (0.13–0.36 mm)
- Product declaration Dansand® No. 29 (0.18–0.50 mm)
- Product declaration Dansand® No. 33 (0.18–0.71 mm)
- Product declaration Dansand® No. 40 (0.25–0.71 mm)



Foundry sand

Variants: Dansand® Nr. 26 (0,13-0,36 mm) - 226100, 500026, Dansand® Nr. 29 (0,18-0,50 mm) - 229100, 229125, 229375, 229500, 302915, 302925, 500029, Dansand® Nr. 33 (0,18-0,71 mm) - 233100, 233150, 303325, 500033, Dansand® Nr. 40 (0,25-0,71 mm) - 241000, 500040