Вещества вспомогательные CARL ROTH

Технические характеристики

Алматы (7273)495-231
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Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
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Россия (495)268-04-70
Казахстан (772)734-952-31
Киргизия (996)312-96-26-47

www.carlroth.nt-rt.ru || chr@nt-rt.ru

Heating bath fluid ROTITHERM® H 250

Carl ROTH.

Silicone oil for heating baths. Colour: Colourless.

- Density at 0 °C: 1.05 g/cm³
- Density at 23 °C: 0.90 g/cm³
- Heat stability: +250 °C
- Coefficient of thermal conductivity W/ (m x K): 0.131
- Flash point: > 295 °C
- Combustion point: > 360 °C
- Pour point: -65 °C
- Vapour pressure:
  at +20 °C: ~1.33 x 10^{-4} N/m (10^{-6} Torr)
  at +150 °C: ~1.33 x 10^{-2} N/m (10^{-4} Torr)
- Kinematic viscosity:
  at +20 °C: 200 mm² s^{-1} (cSt)
  at +100 °C: 34 mm² s^{-1} (cSt)

Type	Art. No.	Pack Qty.	
ROTITHERM® H 250	**1670.1**	1 l	
ROTITHERM® H 250	**1670.2**	10 l	

Heating bath fluid ROTITHERM® M 220

Carl ROTH.

Silicone oil for heating baths. Colour: Brown.

- Density at 0 °C: 1.00 g/cm³
- Density at 23 °C: 0.85 g/cm³
- Heat stability: +220 °C
- Coefficient of thermal conductivity W/ (m x K): 0.170
- Flash point: > 320 °C
- Combustion point: > 360 °C
- Pour point: < -50 °C
- Vapour pressure:
  at +20 °C: ~10^{-4} mbar
  at +150 °C: ~10^{-2} mbar
- Kinematic viscosity:
  at +20 °C: 1000 mm² s^{-1} (cSt)
  at +100 °C: 300 mm² s^{-1} (cSt)

Type	Art. No.	Pack Qty.	
ROTITHERM® M 220	**0991.1**	1 l	
ROTITHERM® M 220	**0991.2**	5 l	

Heating bath fluid ROTITHERM® M 150

Carl ROTH.

Silicone oil for heating baths. Colour: Colourless.

- Density at 0 °C: 1.00 g/cm³
- Density at 23 °C: 0.85 g/cm³
- Heat stability: +150 °C
- Coefficient of thermal conductivity W/ (m x K): 0.163
- Flash point: > 310 °C
- Combustion point: > 370 °C
- Pour point: < -50 °C
- Vapour pressure:
  10^{-5} to 10^{-4} mbar from +25 °C to +175 °C
- Kinematic viscosity:
  at +25 °C: 100 mm² s^{-1} (cSt)
  at +100 °C: 32 mm² s^{-1} (cSt)

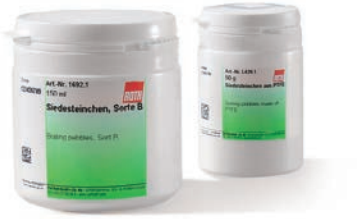
Type	Art. No.	Pack Qty.	
ROTITHERM® M 150	**0990.1**	1 l	
ROTITHERM® M 150	**0990.2**	5 l	

Floating balls

Material: PP.

Made of **PP**. Reduce evaporation, quick temperature loss and bad-smelling or corrosive vapours. Resistant to many acids, bases, solvents and mineral oils. Temperature stable up to +100 °C.

Ø Ball (mm)	Art. No.	Pack Qty.	
20	**A753.2**	1,000 unit(s)	



Boiling pebbles

ROTH SELECTION.

Reduce boiling delay and guarantee even distillation of low-viscosity liquids.

Type A
For normal distillation. Clay-bonded natural stone product primarily made of quartz grains. Low traces of iron present.

- Suitable for vacuum distillation
- Grain size approx. 5–8 mm
- 75 g = approx. 1000 items

Type	Art. No.	Pack Qty.	
Type A	**1691.1**	75 g	

Type B
For analytical purposes. Natural, alkaline clay silicate, without zeolite.

- Grain size up to approx. 5 mm
- 80 g = 1700 items

Type	Art. No.	Pack Qty.	
Type B	**1692.1**	80 g	

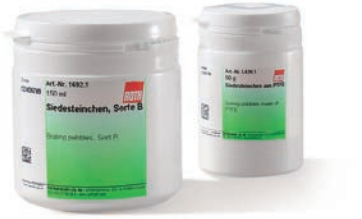
Boiling pebbles made of PTFE

ROTH SELECTION. Material: PTFE.

Unevenly shaped granulate, prevents uncontrolled overheating of solutions when heating volatile liquids. Resistant and inert to most aggressive chemicals (acids, bases, hydrocarbons).

- Does not leave scratches or powder residue on glass
- Maximum use temperature +260 °C
- Grain size 1 to 5 mm.

Type	Art. No.	Pack Qty.	
Boiling pebbles made of PTFE	**L429.1**	50 g	



Boiling pebbles Resistant

ROTH SELECTION.

For preparation and analysis work in biochemistry, biotechnology, microbiology, microanalytics, etc. Can be used for vacuum and high-vacuum distillation, even in very small amounts of liquid.
No abrasion, no absorption of solvents, start working again after every interruption. Can even be used in strong acids, bases, aggressive solvents and oxidants.

- Can be sterilised by annealing
- Grain size approx. 3–4 mm
- 50 g = 1785 items

Type	Art. No.	Pack Qty.	
Resistant boiling pebbles	**H751.1**	50 g	

Magnesia scoops

ROTH SELECTION.

For annealing and incineration of samples, as well as for the production of oxygen melts for the detection of chromium, manganese, etc. and for bead tests.

Dimensions: Length 100 mm x width 9 mm.

Type	Art. No.	Pack Qty.	
Magnesia scoops	**6537.1**	25 unit(s)	

Magnesia rods

ROTH SELECTION.

For flame colouration when detecting sodium, etc. For producing borax beads when detecting cobalt. For bead tests.

Dimensions: Ø 1.5 x length 140 mm.

Type	Art. No.	Pack Qty.	
Magnesia rods	**6543.1**	25 unit(s)	

Glass beads

ROTH SELECTION. Material: Soda-lime glass.

- Bulk weight 1.46–1.51 kg/l depending on size
- Refractive index 1.5188
- Specific weight approx. 2.5 g/cm³

Chemical composition: SiO_2 72.3%; Na_2O 13.3%; CaO 8.9%; MgO 4.0%; other 1.5%.

0,25 - 0,5 mm

Ø Ball (mm)	Art. No.	Pack Qty.	
0,25 - 0,5	**A553.1**	1 kg	

0,75 - 1,0 mm

Ø Ball (mm)	Art. No.	Pack Qty.	
0,75 - 1,0	**A554.1**	1 kg	

1,25 - 1,65 mm

Ø Ball (mm)	Art. No.	Pack Qty.	
1,25 - 1,65	**A555.1**	1 kg	

1,7 - 2,1 mm

Ø Ball (mm)	Art. No.	Pack Qty.	
1,7 - 2,1	**A556.1**	1 kg	

2,85 - 3,45 mm

Ø Ball (mm)	Art. No.	Pack Qty.	
2,85 - 3,45	**A557.1**	1 kg	

Glass beads

ROTH SELECTION. Material: Soda-lime glass.

Glass beads made of highly pure soda-lime glass. Manufactured using a special process that enables the production of beads with extremely high roundness in sizes from 4 mm upwards.
Use as agitating beads and mixing beads for aerosol sprays, as valve balls for bottle seals. Thanks to their high degree of purity, the glass balls are also suitable for use as grinding and dispersion balls for wet grinding of pigments, agrochemicals and biological or other preparations.

- Very smooth surface
- Low proportion of air bubbles
- Refractive index 1.5159
- Specific weight approx. 2.5 g/cm³

Chemical composition: SiO_2 68.1%; Na_2O 15.0%; CaO 8.3%; MgO 2.5%; Al_2O_3 3.3%; other 2.80%.

4 mm

Ø Ball (mm)	Art. No.	Pack Qty.	
4 ± 0,3	**HH55.1**	1 kg	

5 mm

Ø Ball (mm)	Art. No.	Pack Qty.	
5 ± 0,3	**HH56.1**	1 kg	

10 mm

Ø Ball (mm)	Art. No.	Pack Qty.	
10 ± 0,5	**HH57.1**	1 kg	

14 mm

Ø Ball (mm)	Art. No.	Pack Qty.	
14 ± 0,5	**HH58.1**	1 kg	

20 mm

Ø Ball (mm)	Art. No.	Pack Qty.	
20 ± 0,5	**HH59.1**	1 kg	

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