

## 2.3 PP Screw Seals ND8

- Ready to use combination seals; no time-consuming and “tricky” assembly.
- Available with black or white screw caps with 8-425 thread.
- Available as closed top screw seals or with centre hole.
- Now available either with Natural Rubber or RedRubber as cost-effective seals.

### 2.3.1 Natural Rubber/TEF, RedRubber/PTFE and Butyl/PTFE Seals

- Natural Rubber is ideal for multiple injections due to high resealability, but not as easy to penetrate as RR/PTFE.
- Standard, moderately priced seals for GC and HPLC.
- RR/PTFE has a better purity than NR/TEF, is softer and has less fragmentation, but doesn't offer the same resealability as NR/TEF.
- Temperature resistant from -40°C up to 120°C for NR/TEF + Butyl/PTFE resp. up to 110°C for RR/PTFE.
- Butyl as a synthetic rubber has good chemical properties (cleanliness).



Art. No.	08 15 0460	08 15 1965	08 15 1637
Description Cap		Polypropylene Screw Cap black, 5.5mm centre hole, 8-425 thread	
Septa Material	Nat. Rubber red-orange/TEF transparent	RedRubber/PTFE beige	Butyl red/PTFE grey
Durometer	60° shore A	45° shore A	55° shore A
Thickness	1.3mm	1.0mm	1.3mm
Further Screw Seals ND8 with closed/open top resp. with white Caps are available upon request!			
100 pcs. per PE-Bag			

### 2.3.2 Silicone/PTFE Seals

- The special, slitted liner for VWR (Merck®)/Hitachi is only available unassembled, as the diameter with the most optimal valve effect does not achieve any press-fit in the cap. Enlargement of the diameter is only possible with negative effects on the building up of vacuums in the vial.
- Temperature resistant from -60°C up to 200°C.
- Silicone liners with PTFE on both sides for less coring.
- Much cleaner than Natural Rubber, RedRubber or Butyl.
- Different hardnesses (durometers) to meet requirements of the various types of needles regarding penetration.



Art. No.	08 15 0293	08 15 0427	08 15 0886	08 15 0294	08 15 1449
Description Cap			Polypropylene Screw Cap black, 5.5mm centre hole, 8-425 thread		
Septa Material	Silicone white/PTFE red UltraClean	Silicone cream/PTFE red UltraClean	Silicone dark blue/PTFE white	PTFE red/Silicone white/PTFE red	Silicone white/PTFE red, with slit
Durometer	45° shore A	55° shore A	45° shore A	45° shore A	45° shore A
Thickness	1.3mm	1.5mm	1.3mm	1.0mm	1.3mm
Further Screw Seals ND8 with closed/open top resp. with white Caps are available upon request!					
100 pcs. per PE-Bag					

### 2.3.3 Natural Rubber/TEF, RedRubber/PTFE, Butyl/PTFE and Silicone/PTFE Seals, closed top



Art. No.	08 15 0654	08 15 2105	08 15 1653	08 15 1040
Description Cap			Polypropylene Screw Cap black, closed top, 8-425 thread	
Septa Material	Nat. Rubber red-orange/TEF transparent	RedRubber/PTFE beige	Butyl red/PTFE grey	Silicone white/PTFE red UltraClean
Durometer	60° shore A	45° shore A	55° shore A	45° shore A
Thickness	1.3mm	1.0mm	1.3mm	1.3mm
Further Screw Seals ND8 with closed/open top resp. with white Caps are available upon request!				
100 pcs. per PE-Bag				

Further 8mm screw caps with different colours are available upon request!