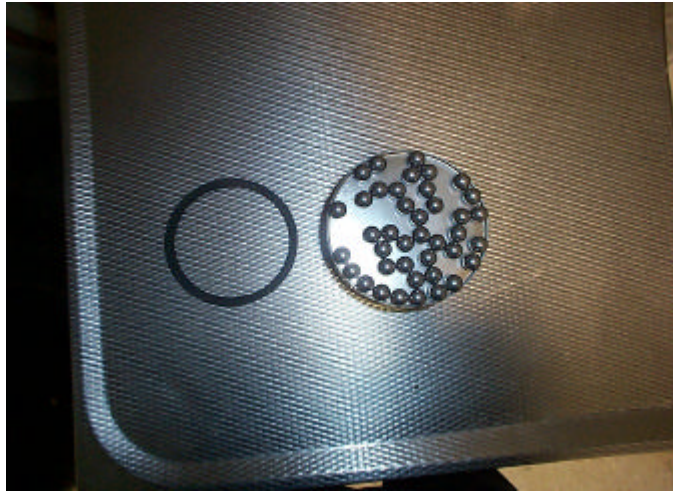


Ringanalys-Prall

Khalid Kader
NCC Roads-sydväst
Tekn.ansvarig Centrallabbet-Gbg



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Metoddagen 2005



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Före Efter



NCC Roads-Khalid Kader-
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Prall- funktion gummipackning



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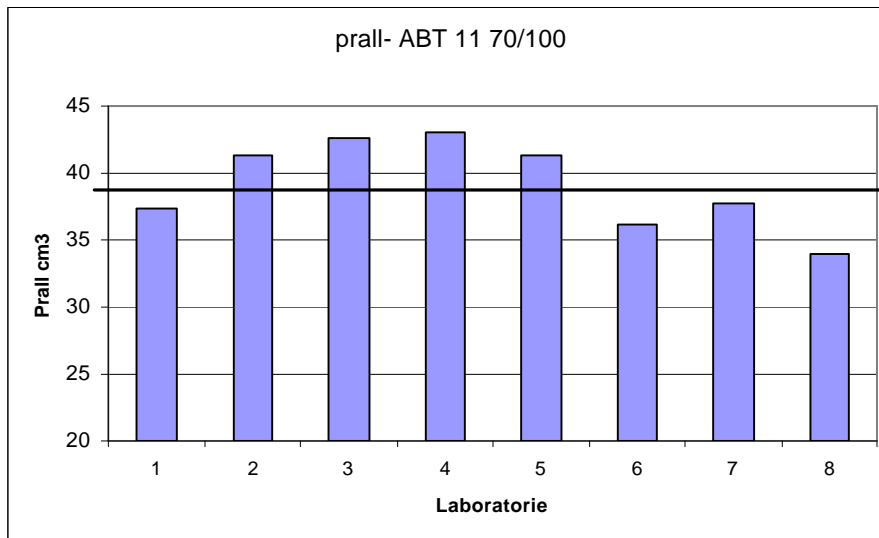
Ringanalys Prall enl. FAS 471-03

- ABS 11(sp.sten) 70/100 & ABT11 70/100
- 8 st laboratorier
- Marshallkroppar
- Packat på NCCs C-labbet i Gbg
- Skrymdensitetsbestämning på resp.laboratorium
- Provat på sågad yta

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| ABT 11 70/100 | | | | | | | |
|----------------------|----------------------------|---------------|---------------|---------------|---------------|--------------|---------------|
| Laboratorie | | prov 1 | prov 2 | prov 3 | prov 4 | medel | stdav. |
| 1 | prall cm ³ | 40,7 | 36,4 | 35,5 | 36,9 | 37 | 2,29 |
| | densitet g/cm ³ | 2,371 | 2,370 | 2,378 | 2,375 | 2,374 | 0,004 |
| 2 | prall cm ³ | 39,6 | 41,2 | 42,8 | 41,9 | 41 | 1,35 |
| | densitet g/cm ³ | 2,379 | 2,371 | 2,371 | 2,372 | 2,373 | 0,004 |
| 3 | prall cm ³ | 42,7 | 43,7 | 43,4 | 40,9 | 43 | 1,26 |
| | densitet g/cm ³ | 2,383 | 2,378 | 2,367 | 2,372 | 2,375 | 0,007 |
| 4 | prall cm ³ | 43,2 | 43,2 | 42,7 | 40,7 | 43 | 1,19 |
| | densitet g/cm ³ | 2,369 | 2,372 | 2,373 | 2,376 | 2,372 | 0,003 |
| 5 | prall cm ³ | 41,7 | 43,0 | 40,8 | 40,0 | 41 | 1,29 |
| | densitet g/cm ³ | 2,39 | 2,376 | 2,379 | 2,388 | 2,383 | 0,007 |
| 6 | prall cm ³ | 37,0 | 36,6 | 33,9 | 37,5 | 36 | 1,61 |
| | densitet g/cm ³ | 2,382 | 2,380 | 2,376 | 2,374 | 2,378 | 0,004 |
| 7 | prall cm ³ | 37,2 | 37,3 | 38,7 | 37,6 | 38 | 0,69 |
| | densitet g/cm ³ | 2,381 | 2,377 | 2,378 | 2,381 | 2,379 | 0,002 |
| 8 | prall cm ³ | 35,6 | 33,0 | 34,2 | 33,1 | 34 | 1,21 |
| | densitet g/cm ³ | 2,374 | 2,381 | 2,367 | 2,377 | 2,375 | 0,006 |

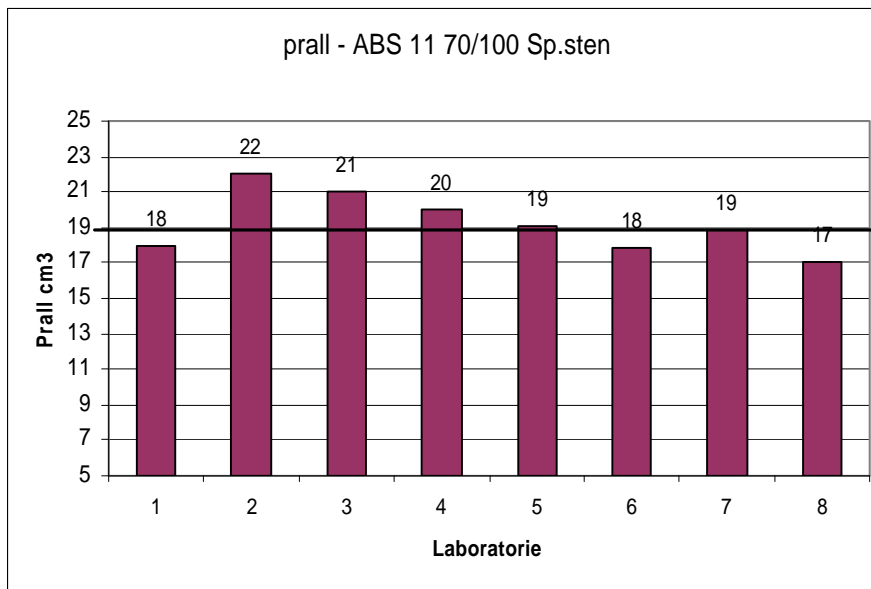
NCC Roads-Khalid Kader-
Metoddagen 2005



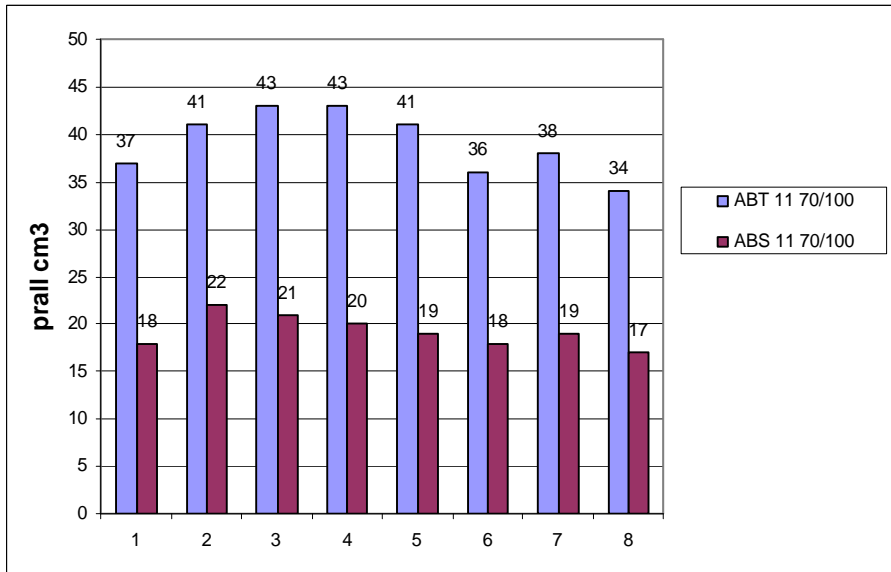
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Metoddagen 2005

| | | ABS 11 70/100 70%Sp.sten | | | | | |
|--------------------|----------------------------|--------------------------|---------------|---------------|---------------|--------------|---------------|
| Laboratoire | | prov 1 | prov 2 | prov 3 | prov 4 | medel | stdav. |
| 1 | prall cm ³ | 17,2 | 19,4 | 17,7 | 17,7 | 18 | 0,96 |
| | densitet g/cm ³ | 2,350 | 2,342 | 2,353 | 2,347 | 2,348 | 0,005 |
| 2 | prall cm ³ | 22,7 | 19,4 | 22,5 | 22,4 | 22 | 1,57 |
| | densitet g/cm ³ | 2,350 | 2,360 | 2,347 | 2,357 | 2,354 | 0,006 |
| 3 | prall cm ³ | 21,9 | 18,1 | 19,8 | 22,3 | 21 | 1,95 |
| | densitet g/cm ³ | 2,347 | 2,351 | 2,352 | 2,337 | 2,347 | 0,007 |
| 4 | prall cm ³ | 22,4 | 20,8 | 17,7 | 17,8 | 20 | 2,32 |
| | densitet g/cm ³ | 2,350 | 2,363 | 2,368 | 2,361 | 2,361 | 0,008 |
| 5 | prall cm ³ | 20,1 | 19,5 | 18,1 | 18,8 | 19 | 0,87 |
| | densitet g/cm ³ | 2,343 | 2,353 | 2,349 | 2,350 | 2,349 | 0,004 |
| 6 | prall cm ³ | 18,1 | 20,9 | 16,4 | 16 | 18 | 2,23 |
| | densitet g/cm ³ | 2,357 | 2,355 | 2,364 | 2,363 | 2,360 | 0,004 |
| 7 | prall cm ³ | 18,2 | 17,4 | 21 | 18,7 | 19 | 1,55 |
| | densitet g/cm ³ | 2,353 | 2,361 | 2,354 | 2,354 | 2,356 | 0,004 |
| 8 | prall cm ³ | 18,8 | 15,7 | 17,1 | 15,7 | 17 | 1,47 |
| | densitet g/cm ³ | 2,350 | 2,360 | 2,352 | 2,349 | 2,353 | 0,005 |

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Metoddagen 2005



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Metoddagen 2005



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Metoddagen 2005

Repeter(r)-och reproducerbarhet(R)

ABS 11(sp.sten) 70/100

ABT 11 70/100

- | | | |
|--------------|------|------|
| • m.v(prall) | 19,1 | 39,1 |
| • r | 12,5 | 5,2 |
| • R | 17,0 | 12,8 |

– I FAS Metod 471-03 anges:

- | | |
|-----|-----|
| • r | 15% |
| • R | 20% |

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Metoddagen 2005

ATB VÄG 2004-TBv/bel år 2005

| | | | | |
|---|---------|---------|---------|------|
| • $\overset{\circ}{\text{ADT}}_{K,tung*1000}$ | 0,5-1,5 | 1,5-3,5 | 3,5-7,0 | >7,0 |
| • Kulkvarn | <14,0 | <11,0 | <7,0 | <7,0 |
| • Prall (11 massa) | <40 | <32 | <28 | <28 |
| • Prall (16 massa) | <36 | <28 | <24 | <24 |
| • Prall (funktion) | <36 | <28 | <24 | <20 |