

Indirect Tensile Modulus Test

Test method: ASTM D4123-82 / AASHTO TP31 (horiz. lvdts only, assumed Poisson's ratio)
 Data fileName: C:\IPCglobal UTS\003 IT Modulus Test\CP01- A40 M50.D003
 Template file name: C:\IPCglobal UTS\003 IT Modulus Test\Templates\Default.P003
 Test date & time: 13/05/2013 16:46:36
 Project:
 Operator: Luiz_Leticia_Eduardo
 Comments: CP01-A40M50

Setup Parameters

Target temperature (°C): 25
 Loading pulse width (ms): 100
 Pulse repetition period (ms): 1000
 Conditioning pulse count: 5
 Peak loading force (N): 1000
 Estimated Poisson's ratio: 0.3
 Seating force: AASHTO TP31 (10% of peak)

Specimen Information

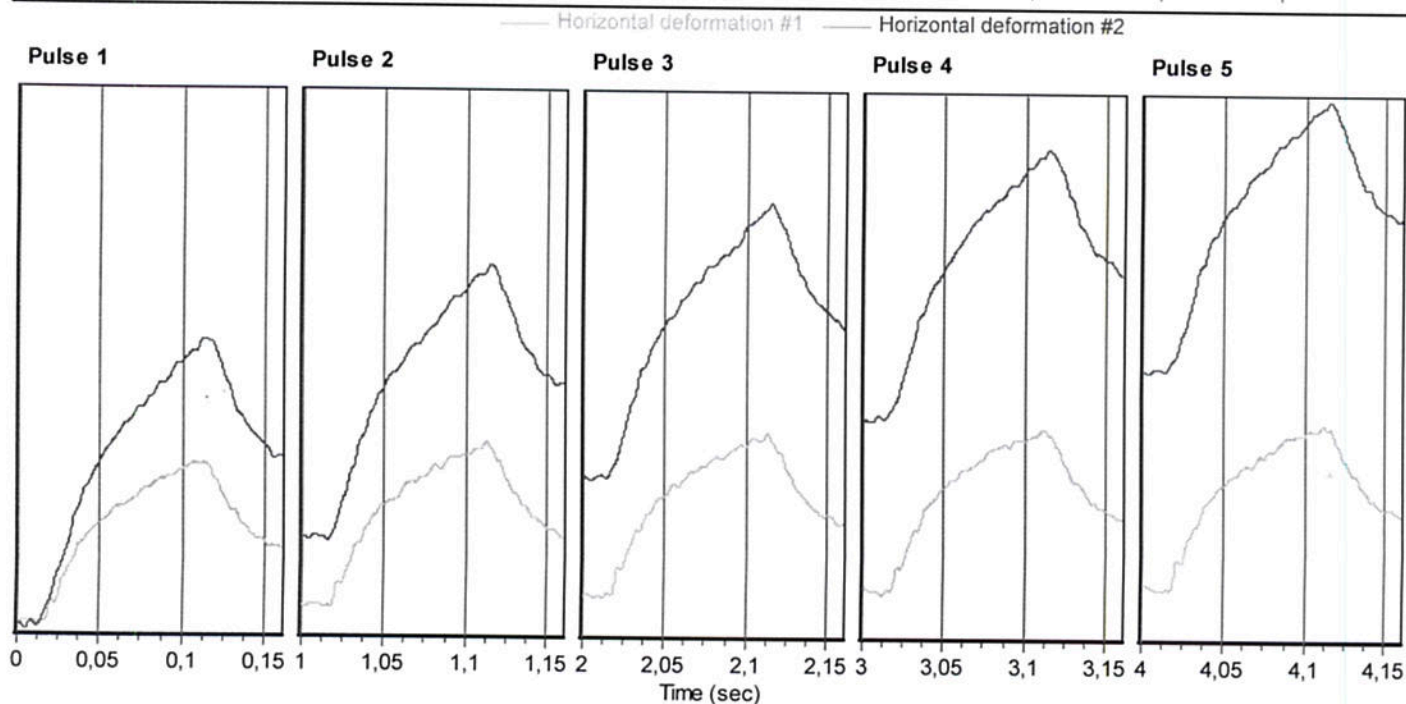
Identification:
 Remarks...

Dimensions	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6	Average	Std Dev
Length (mm)	59,6	59,5	59,4	59,8			59,6	0,2
Diameter (mm)	101,6	101,6	101,7	101,6			101,6	0,0
Cross-sectional area (mm²): 8110,9								

Test Results

Conditioning pulses: 5
 Core temperature (°C): 29,4
 Skin temperature (°C): 29,4
 Perm't horiz'l def'n/pulse (µm): 1,117000

	Pulse 1	Pulse 2	Pulse 3	Pulse 4	Pulse 5	Mean	Std. Dev.	%CV
Resilient modulus (MPa)	3593	3374	3314	3250	3201	3346	136,31	4,07
Total recoverable horiz. deform. (µm)	2,66	2,83	2,89	2,94	2,98	2,86	0,11	3,88
Peak loading force (N)	1000	1000	999	998	998	999	0,71	0,07
Recoverable horiz. deform. #1 (µm)	1,12	1,20	1,21	1,20	1,23	1,19	0,04	3,28
Recoverable horiz. deform. #2 (µm)	1,54	1,63	1,68	1,73	1,75	1,67	0,07	4,48
Seating force (N)	100	100	100	100	100	100	0,13	0,14



Indirect Tensile Modulus Test

Test method: ASTM D4123-82 / AASHTO TP31 (horiz. lvdts only, assumed Poisson's ratio)

Data fileName: C:\IPCglobal UTS\003 IT Modulus Test\CP02-A40 M50.D003

Template file name: C:\IPCglobal UTS\003 IT Modulus Test\Templates\Default.P003

Test date & time: 13/05/2013 16:51:04

Project:

Operator: Luiz_Leticia_Eduardo

Comments: CP02-A40M50

Setup Parameters

Target temperature (°C): 25

Loading pulse width (ms): 100

Pulse repetition period (ms): 1000

Conditioning pulse count: 5

Peak loading force (N): 1000

Estimated Poisson's ratio: 0.3

Seating force: AASHTO TP31 (10% of peak)

Specimen Information

Identification:

Remarks...

Dimensions	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6	Average	Std Dev
Length (mm)	60,0	60,0	60,2	60,1			60,1	0,1
Diameter (mm)	101,7	101,7	101,6	101,7			101,7	0,0

Cross-sectional area (mm²): 8118,1

Test Results

Conditioning pulses: 5

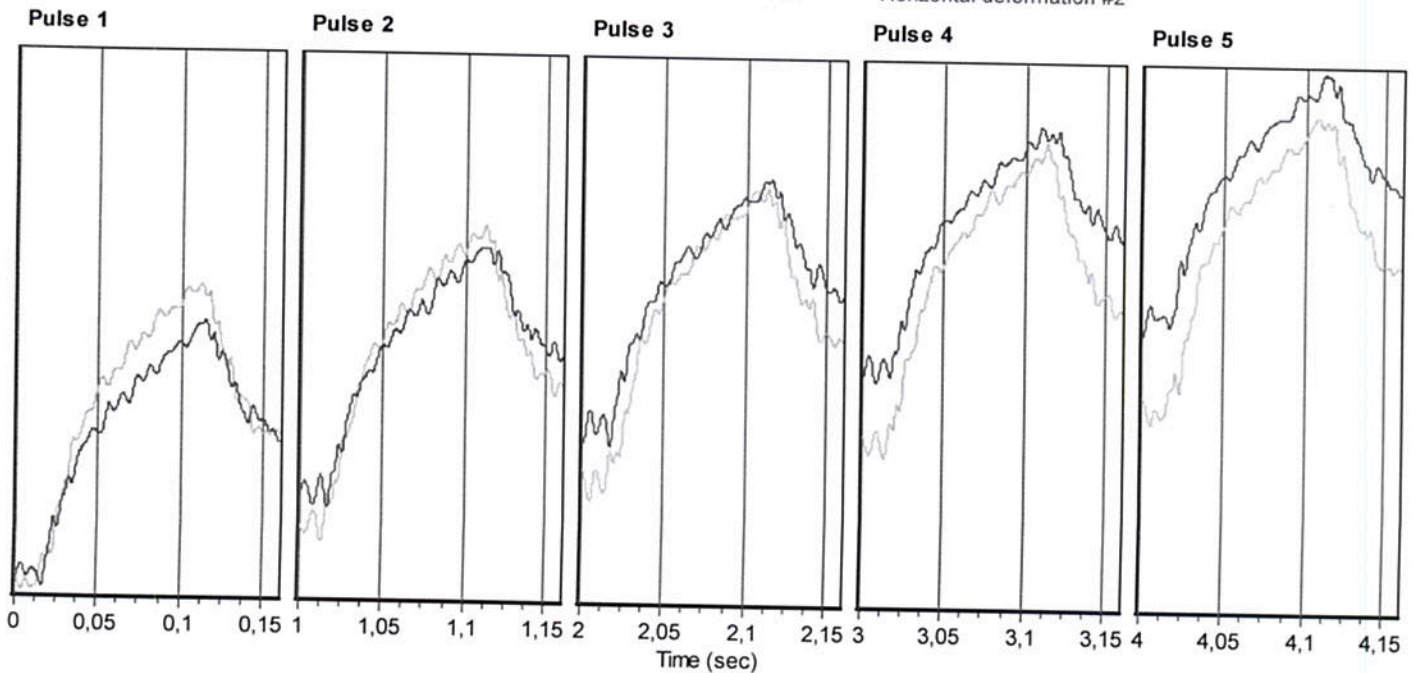
Core temperature (°C): 29,4

Skin temperature (°C): 29,4

Perm't horiz'l def'n/pulse (µm): 1,527000

	Pulse 1	Pulse 2	Pulse 3	Pulse 4	Pulse 5	Mean	Std. Dev.	%CV
Resilient modulus (MPa)	3339	3085	3063	3007	2955	3090	132,48	4,29
Total recoverable horiz. deform. (µm)	2,86	3,09	3,12	3,19	3,24	3,10	0,13	4,17
Peak loading force (N)	1008	1006	1007	1009	1010	1008	1,34	0,13
Recoverable horiz. deform. #1 (µm)	1,70	1,73	1,76	1,78	1,84	1,77	0,05	2,64
Recoverable horiz. deform. #2 (µm)	1,16	1,36	1,36	1,40	1,40	1,34	0,09	6,78
Seating force (N)	100	100	100	100	100	100	0,20	0,20

Horizontal deformation #1 Horizontal deformation #2



Indirect Tensile Modulus Test

Test method: ASTM D4123-82 / AASHTO TP31 (horiz. lvdts only, assumed Poisson's ratio)
 Data fileName: C:\IPCglobal UTS\003 IT Modulus Test\CP03- A40 M50.D003
 Template file name: C:\IPCglobal UTS\003 IT Modulus Test\Templates\Default.P003
 Test date & time: 13/05/2013 16:55:22
 Project:
 Operator: Luiz_Leticia_Eduardo
 Comments: CP03-A40M50

Setup Parameters

Target temperature (°C): 25
 Loading pulse width (ms): 100
 Pulse repetition period (ms): 1000
 Conditioning pulse count: 5

Peak loading force (N): 1000
 Estimated Poisson's ratio: 0.3

Seating force: AASHTO TP31 (10% of peak)

Specimen Information

Identification:
 Remarks...

Dimensions	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6	Average	Std Dev
Length (mm)	59,8	59,8	59,8	60,1			59,9	0,1
Diameter (mm)	101,8	101,9	101,8	101,9			101,8	0,1

Cross-sectional area (mm²): 8145,7

Test Results

Conditioning pulses: 5
 Core temperature (°C): 29,4
 Skin temperature (°C): 29,4

Perm't horiz'l def'n/pulse (µm): 1,126000

	Pulse 1	Pulse 2	Pulse 3	Pulse 4	Pulse 5	Mean	Std. Dev.	%CV
Resilient modulus (MPa)	4138	4043	3888	3962	3754	3957	131,29	3,32
Total recoverable horiz. deform. (µm)	2,30	2,36	2,45	2,40	2,53	2,41	0,08	3,33
Peak loading force (N)	1000	1000	1000	1000	999	1000	0,26	0,03
Recoverable horiz. deform. #1 (µm)	1,27	1,34	1,37	1,33	1,41	1,34	0,05	3,46
Recoverable horiz. deform. #2 (µm)	1,03	1,02	1,08	1,07	1,12	1,07	0,04	3,51
Seating force (N)	100	100	100	100	100	100	0,15	0,15

— Horizontal deformation #1 — Horizontal deformation #2

