

K2 Bitumen Sdn. Bhd.

FileName: C:\IPCglobal UTS\041 SCB Cracking Resistance Test\Data\2026\NORLAN\S1\N25.D041

Test Method: ASTM D8044-16: Evaluation of Asphalt Mixture Cracking Resistance using the Semi-Circular Bend Test (SCB) at Intermediate Temperature

Project: CR-GGA

Operator: ASHRAF

Comments:

Specimen Information

Identification: NORLAN

Conditioning time: 2

Properties/Comments:

Dimensions	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6	Average	Std Dev.
Diameter (mm)	150.00	150.00	150.00	150.00			150.000	
Thickness (mm)	58.35	58.55	58.44	58.20			58.385	0.148
Notch Depth (mm)	24.76	24.47	24.46	24.46			24.538	0.148

Test Parameters

Target temperature (°C): 25

Pre-Load conditions

Load (N): 45

Maximum hold time (sec): 30

Test conditions

Loading rate (mm/min): 0.5

Sampling rate (Hz): 1

Test termination conditions

Applied load drops to a percentage of the peak load (%): 25

Load termination trigger point (N): 500

Actuator deformation limit (mm): 12

Test Data

Start Date and Time: Friday, July 31, 2026, at 10:56 AM

Loading Time (sec): 496.0

Load (kN): 0.208

Deformation (mm): 4.136

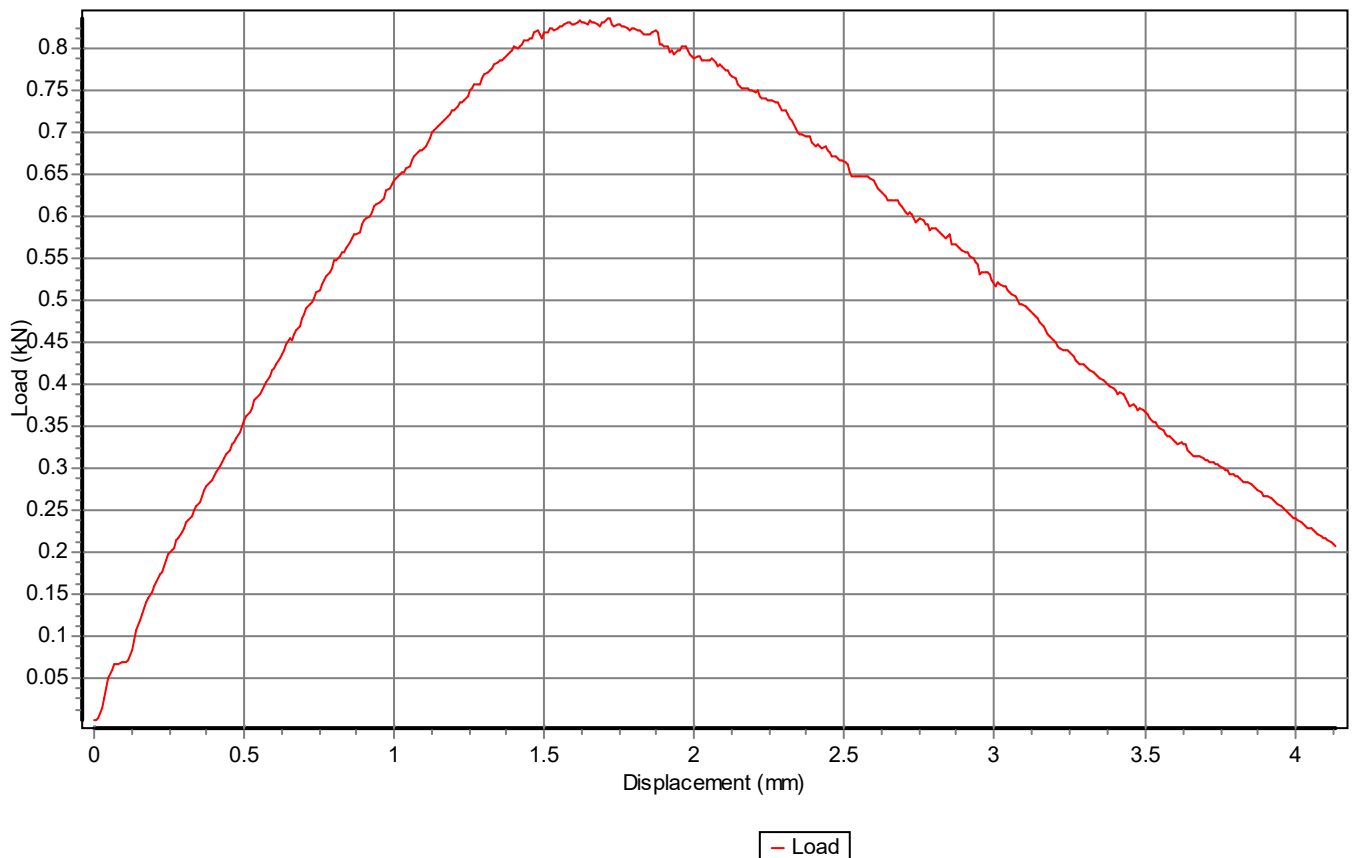
Temperature (°C): 26.9

Time at peak load (sec): 205.2

Peak load (kN): 0.838

Deformation at peak load (mm): 1.712

Strain energy to failure (kJ): 0.900



K2 Bitumen Sdn. Bhd.

FileName: C:\IPCglobal UTS\041 SCB Cracking Resistance Test\Data\2026\NORLAN\S1\N32.D041

Test Method: ASTM D8044-16: Evaluation of Asphalt Mixture Cracking Resistance using the Semi-Circular Bend Test (SCB) at Intermediate Temperature

Project: CR-GGA

Operator: ASHRAF

Comments:

Specimen Information

Identification: NORLAN

Conditioning time: 2

Properties/Comments:

Dimensions	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6	Average	Std Dev.
Diameter (mm)	150.00	150.00	150.00	150.00			150.000	
Thickness (mm)	58.12	58.24	58.48	58.34			58.295	0.153
Notch Depth (mm)	31.18	31.40	31.08	31.19			31.212	0.135

Test Parameters

Target temperature (°C): 25

Pre-Load conditions

Load (N): 45

Maximum hold time (sec): 30

Test conditions

Loading rate (mm/min): 0.5

Sampling rate (Hz): 1

Test termination conditions

Applied load drops to a percentage of the peak load (%): 25

Load termination trigger point (N): 500

Actuator deformation limit (mm): 12

Test Data

Start Date and Time: Friday, July 31, 2026, at 11:12 AM

Loading Time (sec): 1439.0

Load (kN): 0.071

Deformation (mm): 12.002

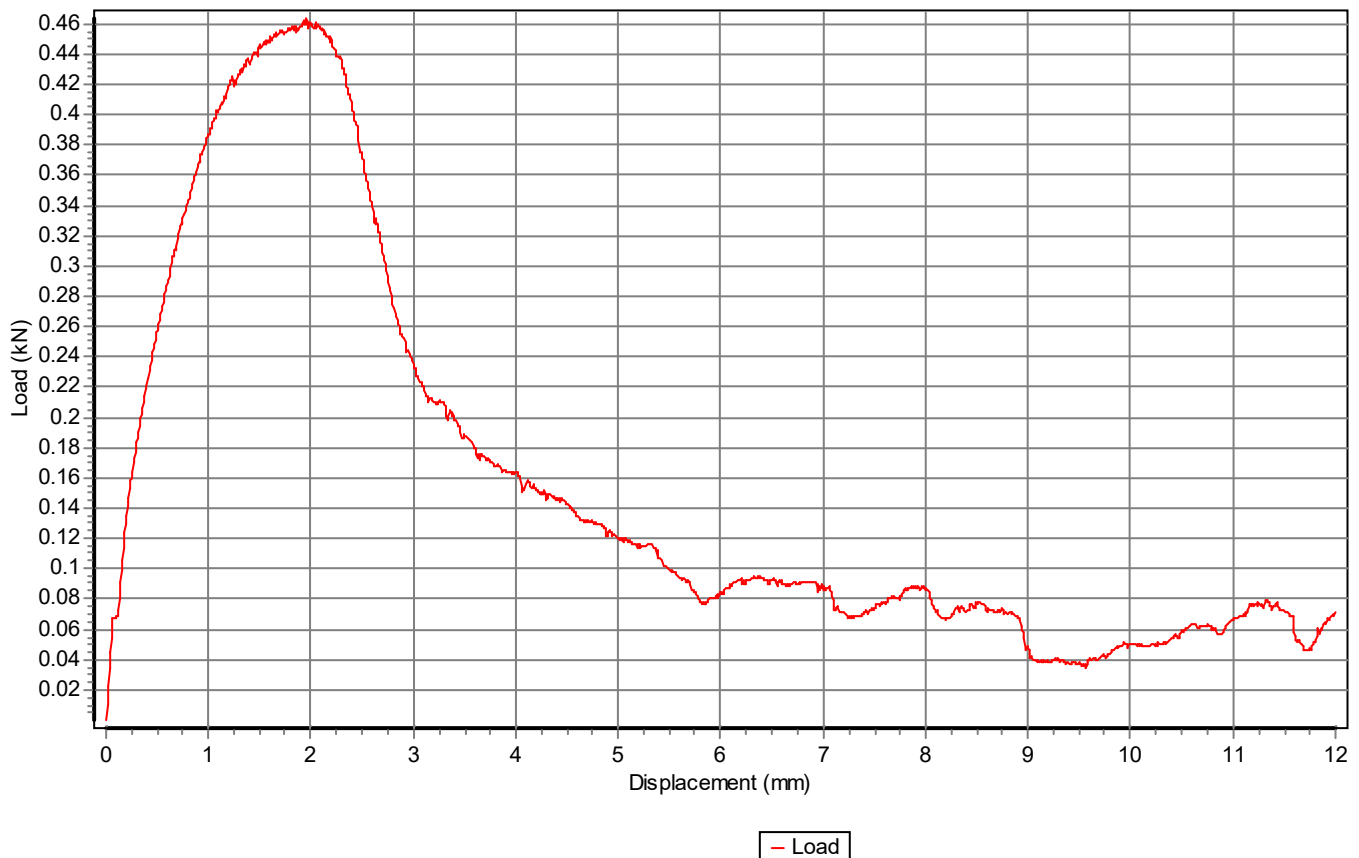
Temperature (°C): 26.9

Time at peak load (sec): 235.4

Peak load (kN): 0.464

Deformation at peak load (mm): 1.964

Strain energy to failure (kJ): 0.661



K2 Bitumen Sdn. Bhd.

FileName: C:\IPCglobal UTS\041 SCB Cracking Resistance Test\Data\2026\NORLAN\S1\N38.D041

Test Method: ASTM D8044-16: Evaluation of Asphalt Mixture Cracking Resistance using the Semi-Circular Bend Test (SCB) at Intermediate Temperature

Project: CR-GGA

Operator: ASHRAF

Comments:

Specimen Information

Identification: NORLAN

Conditioning time: 2

Properties/Comments:

Dimensions

Diameter (mm)

Thickness (mm)

Notch Depth (mm)

Point 1

Point 2

Point 3

Point 4

Point 5

Point 6

Average

Std Dev.

150.00

150.00

150.00

150.00

150.000

58.56

58.17

58.14

58.21

58.270

0.195

37.10

37.38

37.29

37.44

37.303

0.148

Test Parameters

Target temperature (°C): 25

Pre-Load conditions

Load (N): 45

Maximum hold time (sec): 30

Test conditions

Loading rate (mm/min): 0.5

Sampling rate (Hz): 1

Test termination conditions

Applied load drops to a percentage of the peak load (%): 25

Load termination trigger point (N): 500

Actuator deformation limit (mm): 12

Test Data

Start Date and Time: Friday, July 31, 2026, at 11:41 AM

Loading Time (sec): 599.0

Load (kN): 0.135

Deformation (mm): 4.994

Temperature (°C): 26.9

Time at peak load (sec): 210.2

Peak load (kN): 0.544

Deformation at peak load (mm): 1.753

Strain energy to failure (kJ): 0.594

