

## Supplementary Data

Research data connected to Table 3

Property	Sample No.			
	1	2	3	4
penetration at 25°C [0.1 mm]	71,72,70	69,69,70	66,67,66	69,68,69
softening point (R&B) [°C]	52.0, 52.1, 52.0	56.4, 56.4, 56.4	57, 57.1, 56.9	55.6, 55.6, 55.7
penetration index	0.20, 0.33, 0.18	1.10, 1.12, 1.09	1.10, 1.10, 1.10	0.90, 0.91, 0.90
Fraass breaking point [°C]	-20	-22	-22	-23
elastic recovery at 25°C [%]	69, 68, 69	74,75, 74	75, 75, 76	72, 72, 73
retained penetration at 25°C after RTFOT [%]	60.2, 59.9, 60.3	61, 60.9, 61	60.4, 60.3, 60.4	61.4, 60.9, 61.6
mass change after RTFOT [%]	-0.16, -0.20, -0.13	-0.16, -0.16, -0.17	-0.13, - 0.14, -0.12	-0.12, - 0.12, -0.12

Research data connected to Table 4

Property	Sample No.						
	7	8	9	10	11	12	13
penetration at 25°C [0.1 mm]	80, 79, 80	78, 78, 79	80, 80, 81	104, 100, 108	96, 96, 97	97, 97, 98	86, 87, 86
Softening point (R&B) [°C]	55.4, 56.0, 53.7	52.8, 53, 52.7	49.9, 50.0, 49.7	48.0, 47.8, 48.3	50.8, 50.9, 50.5	51.9, 52.0, 51.8	51.6, 51.8, 52.0
penetration index	1.3, 1.2, 1.3	0.60, 0.62, 0.60	0.00, 0.00, 0.00	0.60, 0.62, 0.60	0.80, 0.78, 0.83	0.33, 0.36, 0.32	0.60, 0.67, 0.57
Fraass breaking point [°C]	-28	-27	-26	-26	-28	-26	-25
elastic recovery at 25°C [%]	70, 70, 71	70, 70, 71	63, 64, 63	62, 60, 64	60, 61, 60	76, 75, 76	63, 64, 62
retained penetration at 25°C after RTFOT [%]	62.4, 63.0, 62.0	60.5, 60.7, 60.4	61.2, 61.0, 61.5	55.0, 55.1, 55.0	58.0, 59.0, 57.1	66.0, 66.8, 65.6	60.2, 60.0, 60.5
mass change after RTFOT [%]	-0.68, - 0.70,- 0.67	-0.70, - 0.69,- 0.72	0.73,- 0.75,- 0.72	0.84, 0.88,0.82	0.64, 0.65,0. 64	0.24, 0.30, 0.21	-0.47, - 0.50, - 0.44