

Bitumen for road construction

EN 12591 Specification

PARAMETER	UNIT	TEST METHOD	20/30	30/45	50/70	70/100	160/220
Penetration at 25°C	0.1 mm	DIN EN 1426	20 to 30	30 to 45	50 to 70	70 to 100	160 to 220
Ring and ball softening point	°C	DIN EN 1427	55.0 to 63.0	52.0 to 60.0	46.0 to 54.0	43.0 to 51.0	35.0 to 43.0
Flash point	°C	EN ISO 2592	≥ 240	≥ 240	≥ 230	≥ 230	≥ 220
Solubility	%	DIN EN 12592	≥ 99.0	≥ 99.0	≥ 99.0	≥ 99.0	≥ 99.0
Penetration index		DIN EN 12591, Annex A	NR	NR	NR	NR	NR
Kinematic viscosity at 135°C	mm ² /s	DIN EN 12595	NR	NR	NR	NR	NR
Dynamic viscosity at 60°C	Pa · s	DIN EN 12596	NR	NR	NR	NR	NR
Fraass breaking point	°C	DIN EN 12593	-	≤ -5	≤ -8	≤ -10	≤ -15
Resistance to hardening at 163°C:		DIN EN 12607-1					
Residual penetration	%	DIN EN 1426	≥ 55	≥ 53	≥ 50	≥ 46	≥ 37
Increase in ring and ball softening point	°C	DIN EN 1427	≤ 8	≤ 8	≤ 9	≤ 9	≤ 11
Mass change	%	DIN EN 12607-1	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.8	≤ 1.0