

# CERTIFICAT CALITATE

BITUM RUTIER5/70 | EN12607

ROAD BITUMEN D 50 / 70  
 PRODUCT EU  
 BUCHAREST, ROMANIA  
 05.03.2023

## ANALYTICAL RESULTS PEN GRADE 50/70 BITUM EXPRES

CHARACTERISTIC	TEST METHOD	UNIT	Min - max	RESULTS
Density 15 °C	EN ISO 3838	kg/m <sup>3</sup>	-	1039
Density 25 °C	EN ISO 3838	Kg/m <sup>3</sup>	-	1031
Penetration @ 25 °C	EN 1426	dmm	50 - 70	63
Softening Point "Ring & Ball"	EN 1427	°C	46 -54	48,3
Fraass Breaking Point	EN 12593	°C	≤ -8	-14
Solubility in Organic Solvent	EN 12592	% m/m	≥ 99	99,9
Flash Point	EN 22592	°C	≥ 230	350
Dynamic Viscosity at 60°C	EN12596	Pa.s	≥ 145	216
Kinematic Viscosity at 135°C	EN 12595	mm <sup>2</sup> /s	≥ 295	410
Penetration Index (PI)	EN 12591 - Annex A <sup>b</sup>	-	-1,5 - 0,7	-1,10
<b>RESISTANCE TO HARDENING AT 163°C (RTFOT - EN 12607-1)</b>				
Retained Penetration	EN 1426	%	≥ 50	62,2
Mass change	EN 12607-1	% m/m	≤ 0,5	0,11
Softening Point after hardening	EN 1427	°C	-	51,4
Softening Point increase	EN 1427	°C	≤ 9 (severity 1)	3,9