

Penetrations Grades

Penetration-grade bitumen is mainly used in road surfacing. Bitumen with lower penetration grade is used in the regions with warm climate while higher penetration grade is used in colder weather. «Rise Group» is capable of producing different grades of road surfacing bitumen in compliance with national and international standards in its six plants located at Tehran, Tabriz, Arak, Shiraz, Bandar Abbas and Abadan refineries.

Test	Methodology	30-40	40-50	60-70	85-100	100-120
Density	ASTM D-7	06/1-01/1	06/1-01/1	06/1-01/1	5 0/1-1	04/1-01/1
Penetration Rate at 25C	ASTM D-5	30-40	40-50	60-70	85-100	100-120
Softening Point °C	ASTM D-36	55-63	52-60	49-56	45-52	42-49
Ductility 25C (cm)	ASTM D-113	Min 100	Min 100	Min 100	Min 100	Min 100
Flash Point°C	ASTM D-92	Min250	Min250	Min250	Min250	Min250
Solubility Disulfide %wt.	ASTM D-4	5/99	5/99	5/99	5/99	5/99
Stain Test	AASHTO T 102	Negative	Negative	Negative	Negative	Negative
Wieght Loss by Heating %wt.	ASTM D-6	Max 2 /0	Max 2 /0	Max 2 /0	Max 2 /0	Max 2 /0
Wieght Loss by Heating· %	ASTM D-6-D-5	20 Max	Max20	Max20	Max20	Max20