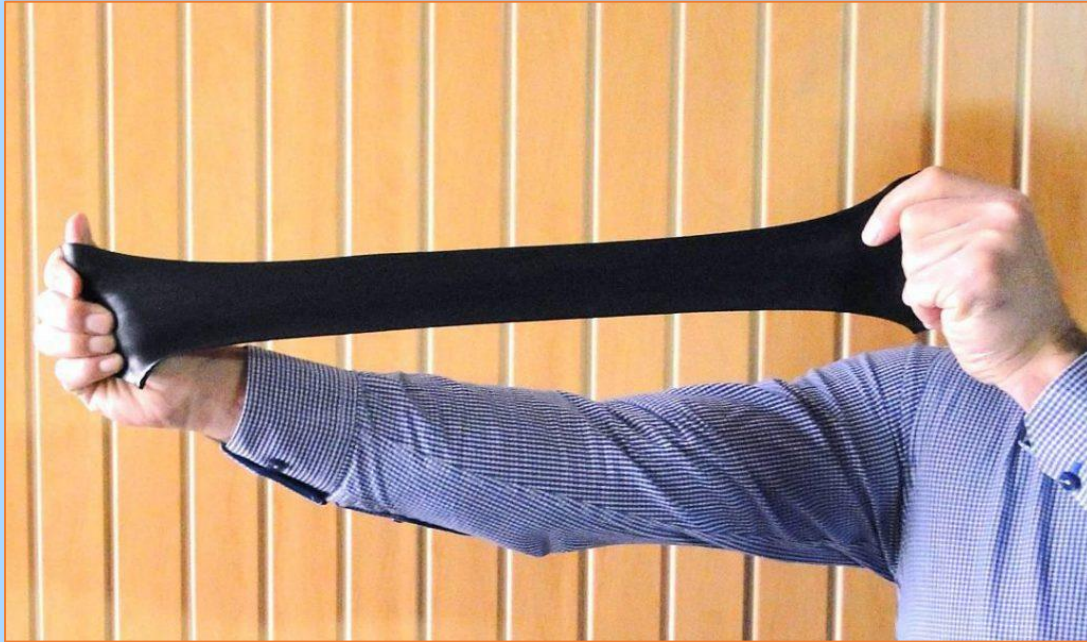


AkaBit EL70

Polymer Modified Bitumen



Elastomeric Stable Bitumen

- ➔ Performance Grade, PG 70 -22
- ➔ Elastic Recovery more than 80%
- ➔ Softening Point more than 80°C
- ➔ Phase Separation less than 2.2°C

AkaBit EL70

Polymer Modified Bitumen

PG 70 -22

No.	Property	Unit	Method	Requirement	Value
1	Specific Gravity	at 25°C	g/cm ³	ASTM-D70	1.01-1.03
2	Flash Point		°C	ASTM-D92	Min 230 > 280
3	solubility in Trichloroethylene		%	ASTM-2042	Min 99.0 > 99
4	Penetration	at 25°C	0.1mm	ASTM-D5	50-70
5	Softening Point		°C	ASTM-D36	> 80
6	Ductility	at 25°C	cm	ASTM-D113	> 80
7		at 10°C			> 60
8	Viscosity	at 135°C	mPa·s	ASTM-D4402	1500-2800
9		at 150°C			800-1200
10		at 180°C			250-500
11	Elastic Recovery	at 25°C	%	ASTM-D6084	> 80
12	Phase Separation		°C	ASTM-D7173	< 2.2
13	Dynamic Shear, G*/sin δ (unaged)	at 70 °C	KPa	ASTM-D7175	Min 1.0 > 1.0
14	Dynamic Shear, G*/sin δ (RTFO)	at 70 °C			Min 2.2 > 2.2
15	Dynamic Shear, G*×sin δ (PAV)	at 28 °C			Max 5000 < 5000
16	BBR, Creep Stiffness (S)	at -12 °C	MPa	ASTM-D6648	Max 300 < 300
17	BBR, m-Value	at -12 °C	-		Min 0.3 > 0.3
18	RTFO Residue, Mass Loss		wt%	ASTM-D1754	Max 0.8% < 0.8
19	RTFO Residue, Retained Penetration		%	ASTM-D5	Min 52% > 52