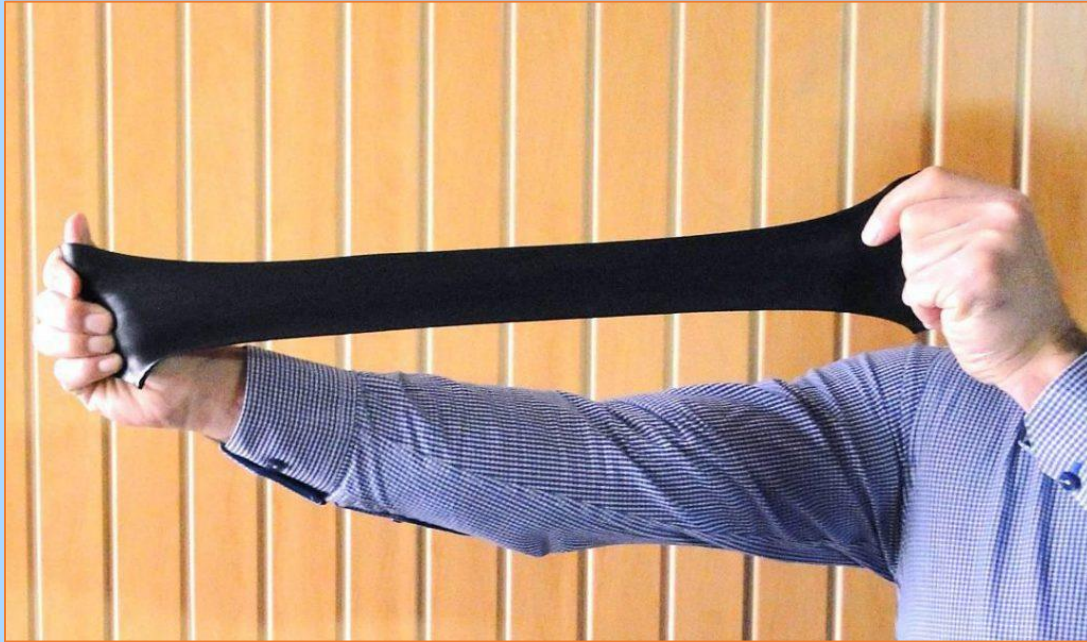


AkaBit EL76

AkaBit EL76

Polymer Modified Bitumen



Elastomeric Stable Bitumen

- ➔ **Performance Grade, PG 76 -16**
- ➔ **Elastic Recovery more than 80%**
- ➔ **Softening Point more than 80°C**
- ➔ **Phase Separation less than 2.2°C**

Polymer Modified Bitumen PG 76 -16

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		40-60
5	Softening Point		°C	ASTM-D36		> 80
6	Ductility	at 25°C	cm	ASTM-D113		> 65
7		at 10°C				> 25
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