

# ram-Tough KLB-100

## PRODUCT DESCRIPTION

**ram-Tough** KLB-100 is a very high quality modified mopping asphalt which incorporates Shell "Kraton" SEBS rubber polymer matrix with specially selected straight run unblown, unoxidized asphalt bitumen by high shear blending. KLB-100 is formulated for use with conventional roofing kettles (direct flue fired) as well as double-jacketed rubberized asphalt melters.

**ram-Tough** KLB-100 is designed for use as interply mopping adhesive and top coats utilizing roofing felts of fiberglass, polyester and SBS modified bitumen roofing sheets on roof slopes under one inch per foot. For roof slopes up to three inches per foot, **ram-Tough** KLB-100 ES is recommended.

The performance features of **ram-Tough** KLB-100 include dramatic increases in tensile strength, recoverable elongation, fatigue resistance, cold weather flexibility and aggressive adhesion when compared to conventional bitumens.

KLB-100 is Factory Mutual and Underwriters Laboratory approved for use in Class I and Class A constructions as noted in the respective Approval Guides.

### Physical Properties

<u>Test</u>	<u>Method</u>	<u>Typical Results</u>
Softening Point	ASTM D-36	200°F
Flash Point	ASTM D-92	580°F min.
Viscosity, Brookfield Model Hat probe #1 @ 50 RPM	ASTM D-3236	75-250 cp
Penetration	ASTM D-5	30-70 dmm
Elongation @ 77°F min	ASTM D-412	1000%
Recovery from 300% Elongation	ASTM D-412	80%
Heat Resistance Penetration 77°F, 100 g, 5 sec	ASTM D-5	25-70 dmm
Ductility @ 77°F	ASTM D-113	40 cm
Flexibility Low Temp	ASTM D-3111	-10°F
Recommended Application Temp		350°F-475°F
Kettle Temperature max		500°F

Barrett hopes the information given here will be helpful. It is based on our best knowledge and is believed to be true and accurate. Properties given are typical values and are not specifications unless otherwise stated. We assume no responsibility for the use of these statements, recommendations or suggestions, nor do we intend them as a recommendation for any use not expressly stated herein.

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