



PETRONAS

PETRONAS BITUMEN 60-70

PROPERTIES	Unit	GUARANTEED LIMIT		TEST METHOD
		MINIMUM	MAXIMUM	
Penetration @ 25 °C, 100 g 5 sec	0.1mm	60	70	MS 541 / ASTM D 5
Softening Point	°C	48	56	MS 687 / ASTM D 36
Solubility in 1,1,1 trichloroethylene	%wt	99.0	-	ASTM D 2042
Ductility @ 25 °C, 5 cm/min	cm	100	-	ASTM D 113
Flash Point	°C	250	-	ASTM D 92
Loss on Heating	%wt	-	0.2	ASTM D 6
Drop in Penetration after Heating	%	-	20	ASTM D 6 & ASTM D 5
Density @ 15 °C	kg/m ³	To be Reported		ASTM D 70
Retained Penetration After Thin-film Oven Test	%	52	-	ASTM D 1754 & ASTM D 5
APPLICATION	PRECAUTION			SPECIFICATION
<p>Mainly use in road construction as a binder in Hot Mix Asphalt (HMA) and as main component to produce bitumen emulsion used as prime and tack coat.</p> <p>It can also be used as a blending component in the production of polymer modified bitumen / asphalt (PMB/PMA).</p>	<ul style="list-style-type: none">▪ May cause skin irritation▪ Hot fumes may cause drowsiness or dizziness upon inhalation. It can also cause irritation upon eye contact.▪ Ensure personal to wear proper Personal Protective Equipment (PPE) when handling bitumen			<p>This bitumen (asphalt) meets the following specification:</p> <ul style="list-style-type: none">▪ SIRIM MS 124 : 1996