



LAKE ASPHALT OF TRINIDAD AND TOBAGO (1978)

LIMITED

BRIGHTON, LA BREA

BITUMEN SPECIFICATION REQUIREMENTS

The Product Specification sheet for **60/70 Penetration grade Bitumen** should include in the following test parameters:

TESTS	UNITS	METHOD	REFINERY BITUMEN 60/70 Pen.	
			MIN	MAX
Specific Gravity at 25 °C	(g)/(g)	ASTM* D70	1.01	1.07
Softening Point	°C	ASTM D36	45	56
Penetration at 25 °C	mm	ASTM D5	60	70
Ductility at 25 °C	cm	ASTM D113	100	-
Solubility in Trichloroethylene	wt%	ASTM D2042	99.0	-
Flash Point	°C	ASTM D92	230	-
Retained penetration after thin-film oven test	%	ASTM D5	52+	-
Ductility at 25°C [77°F], 5cm/min, after thin-film oven test	cm	ASTM D113	50	-

* ASTM - American Society for Testing Materials

The Product Specification sheet for **180/200 Penetration grade bitumen** should include in the following test parameters:

TEST	UNITS	METHOD	SPECIFICATION - REFINERY BITUMEN 180/220 Pen.	
			MIN	MAX
Penetration @25 C, 100g, 5 s	mm	ASTM D 5	180	200
Ductility at 25°C, 5 cm/min, cm	cm	ASTM D 113	120	-
Flash point, (Cleveland open cup)	°C	ASTM D 92	200 °C	-
Solubility in trichloroethylene	%	ASTM D 2042	99.0	-
Softening Point	°C	ASTM D36	35	41
Specific Gravity at 25°C	g/g	ASTM D70	0.99	1.04
OPTIONAL				
Retained penetration after thin-film oven test	%	ASTM D5	40	-
Ductility at 25°C [77°F], 5cm/min, after thin-film oven test	cm	ASTM D113	100	-

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The Product Specification sheet for **160/220 Penetration grade bitumen** should include in the following test parameters:

TEST	UNITS	METHOD	SPECIFICATION - REFINERY BITUMEN 160/220 Pen.	
			MIN	MAX
Penetration @25 C, 100g, 5 s	mm	ASTM D 5	160	220
Ductility at 25°C, 5 cm/min, cm	cm	ASTM D 113	120	-
Flash point, (Cleveland open cup)	°C	ASTM D 92	200 °C	-
Solubility in trichloroethylene	%	ASTM D 2042	99.0	-
Softening Point	°C	ASTM D36	35	43
Specific Gravity at 25°C	g/g	ASTM D70	0.98	1.08
OPTIONAL				
<i>Retained penetration after thin-film oven test</i>	%	<i>ASTM D5</i>	<i>40</i>	<i>-</i>
<i>Ductility at 25°C [77°F], 5cm/min, after thin-film oven test</i>	<i>cm</i>	<i>ASTM D113</i>	<i>100</i>	<i>-</i>

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