



POLYMOD M™

Plastomer Modified Binder

Product Data Sheet 2012/12

DESCRIPTION

POLYMOD M™ is a penetration grade bitumen modified with EVA polymer.

USES

POLYMOD M™ is used mainly as a rut resistant binder for asphalt mixes. It is suitable for use in heavy trafficked areas where there is the risk of fuel spillage, such as:

- Intersections and climbing lanes.
- Bus depots and aircraft runways.

PROPERTIES

POLYMOD M™ is a high softening point binder which imparts deformation resistance to asphalt mixes at high in-service road temperatures. It is resistant to normal fuel spillage.

Typical properties of a continuously graded asphalt after a briquette soaked in diesel for 24 hours.

PROPERTY	CONVENTIONAL ASPHALT	POLYMOD M™ ASPHALT
Mass loss, %	11.0	0.6
% Retained Marshall stability	50	80

SPECIFICATIONS

POLYMOD M™ conforms to the A-P1 specification for polymer modified binders for hot-mix asphalt.

BINDER PROPERTIES	REQUIREMENT		TEST METHOD
	Min	Max	
Softening point, °C	63	73	ASTM D36
Dynamic viscosity @ 165° C, Pa·s	-	0.55	ASTM D4402
Elastic recovery @ 15° C, %	30	-	MB-4
Stability (R&B dif @ 160° C), ° C	-	5	MB-6
Flash point, °C	230	-	ASTM D93
PROPERTIES AFTER RTFOT			MB-3
Difference in softening point, °C	- 2	+ 8	ASTM D6
Mass change, %	-	1.0	MB-3

Head Office

Cape Town PO Box 82 Eppindust 7475 **Tel** +27 (0)21 531 6406 **Fax** +27 (0)21 531 5514 **Email** colas@colas.co.za **Website** www.colas.co.za

Colas provides the above data sheet in good faith and it is provided without warranty, representation, inducement or licence of any kind; as such Colas shall not be liable for cost, damages or losses incurred as a result of reliance on the abovementioned information.



The road forward

DIRECTIONS FOR USE

Recommended storage and handling criteria for **POLYMOD M™** are as follows:

Asphalt mixing temperature	160 - 170°C	
Asphalt compaction temperature	140 - 150°C	
Maximum storage temperature	< 24 hours	> one day
	170°C	150°C

Storage stable at recommended temperatures without risk of polymer degradation. Every attempt should be made to minimize the binder temperature during transportation and storage.

Head Office

Cape Town PO Box 82 Eppindust 7475 **Tel** +27 (0)21 531 6406 **Fax** +27 (0)21 531 5514 **Email** colas@colas.co.za **Website** www.colas.co.za

Colas provides the above data sheet in good faith and it is provided without warranty, representation, inducement or licence of any kind; as such Colas shall not be liable for cost, damages or losses incurred as a result of reliance on the abovementioned information.