



Esso PG82E-10

Esso Asphalt , Singapore

Polymer Modified Asphalt

Product Description

Esso PG82E-10 is a polymer modified asphalt. It contains a specific mixture of polymers that can provide additional resistance to rutting and cracking.

Applications

Esso PG82E-10 is used in hot mix asphalt for use on heavy traffic roads, airport pavements and other similar applications. Please consult supplier for specific usage and handling details.

Properties and Specifications

Property	Unit of Measure	Test Method	Min. Limit	Max. Limit
Softening Point	°C	ASTM D36	80	
Viscosity @ 135°C	Pa.s	ASTM D4402		3
Dynamic Shear Rheometer, G*/sin d, 82 C, Unaged Material	kPa	AASHTO T 315	1.0	
Dynamic Shear Rheometer, G*/sin d, 82 C, Rolling Thin Film Aged Material	kPa	AASHTO T 315	2.2	
Multiple Stress Creep & Recovery, Jnr 3.2 @ 82 C, after RTFOT	1/kPa	AASHTO T 350		0.5
Flash Point, Cleveland Open Cup	°C	ASTM D92	230	
Elastic recovery at 25 C, 10 cm elongation	% of new	ASTM D6084	80	
Storage stability, difference in softening point	C	EN 13399		5
Mass Change, RTFO residue	% Loss	ASTM D2872		1.0
Multiple Stress Creep & Recovery, %R 3.2 @ 82 C, after RTFOT	% Change	AASHTO T 350	80	
Dynamic Shear Rheometer, G*/sin d, 40 C, Pressure Aging Vessel Aged Material	kPa	AASHTO T 315		5000
Creep Stiffness after PAV, m-value at test temperature 0°C @ 60 sec.	-	ASTM D6648	0.30	
Creep Stiffness after PAV, Stiffness value at Test Temperature 0°C @ 60 sec..	mPa	ASTM D6648		300

Health and safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ <http://www.msds.exxonmobil.com/psims/psims.aspx>

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