Palayesh-e Hesar Mehran
Product Data Sheet

NACI/Lab 819

Performance-Graded Asphalt Cement for Use in Pavement Construction
Bitumen PG 70-16

Date:12/25/2024
Rev:01

Specification, Unit	Test Method			Value
	ASTM D6373	AASHTO M320	INSO 12505-3	
Average 7-day maximum Pavement Design Temperature, °C	-	-	-	70
Minimum pavement Design Temperature, °C	-	-	-	-16
Original Binder				
Flash Point Temperature Min °C	ASTM D92	T48	INSO 198	230
Viscosity max 3 Pa.s, Test Temperature, °C	ASTM D4402	T316	INSO 15434	135
Dynamic Shear, G*/sinδ, min 1.0 KPa Test Temperature, °C	ASTM D7175	T315	INSO 15433	70
Rolling Thin Film Oven Test				
Mass change max %	ASTM D2872	T240	INSO 11898	1.00
Dynamic Shear G*/sinδ, min. 2.2 KPa, Test Temperature at 10 rad/s, °C	ASTM D7175	T315	INSO 15433	70
Pressure Aging Vessel				
PAV Aging Temperature, °C	ASTM 6521	R28	INSO 15431	100(110)
Dynamic Shear G*/sinδ, max 5000 kPa Test Temperature at 10 rad/s, °C	ASTM D7175	T315	INSO 15433	31
Creep Stuffiness S, max 300 MPa m-value min 0.300 Test Temperature at 60s, °C	ASTM D6648	T313	INSO 15432	-6

Note: For latest version please contact us.

Address: South Ninth St , 60 meters Shurabad Blvd- Qom Old Road– Tehran – IRAN

www.hesarmehran.com

info@hesarmehran.com

Tel :+982156546681

Fax : +982156544326