

State: Oregon	Materials: Re: Standard Specifications for Asphalt Materials - 2025
Date Last Reviewed: 11/24/25	Web Address: https://www.oregon.gov/odot/Construction/Documents/2025_asphalt_materials_specs.pdf
Contact: Christopher Duman (State Pavement Quality & Materials Engineer)	Contact Info: Christopher.L.Duman@odot.state.or.us

Asphalt Binder		
Highlights	The asphalt cement furnished under this specification shall be petroleum asphalt prepared by the refining of crude petroleum and, when necessary, by the addition of modifiers designed to provide the asphalt characteristics specified. It shall be homogenous and free from water, and it shall not have been distilled at a temperature high enough to injure by burning or high enough to produce flecks of carbonaceous matter. It shall meet the requirements of AASHTO M 320, Standard Specification for Performance-Graded Asphalt Binder, at the time of use when tested according to the methods specified.	
PMA Notes	(1)	
Exclusions and Limits	None stated.	

Oregon		Table 1: Requirements for Performance-Graded Asphalt Binders (Note 2)								
Property		Test Method:	Requirements by Performance Grade							
			64-28	64-22	70-22	70-28	76-22	70-22ER	70-28ER	AC-15-5TR
ORIGINAL										
Flash Point, °C		T48	230 min.						260 min.	
Rotational Viscosity, Pa·s	135°C	T316	3.0 max.						-	
Dynamic Shear, kPa (G*/sin δ, 10 rad./sec)	At Grade Temp.	T315	1.00 min.						-	
Specific Gravity	15.6°C	D70	Report						-	
Penetration, tenths of mm	25°C	T49	-						90-140	100-150
Elastic Recovery, % min.	10°C	ODOT TM 429	-						55	70
Force Ductility, Force Ratio	4°C	ODOT TM 427	-						0.30 min.	
Viscosity, Poise	60°C	ODOT TM 430	-						1500 min.	1500-3500 min.
Kinematic Viscosity, Pa·S	135°C	T 316	-						2.0 max.	
Polymer Content (Scrap Tire Rubber), %		-	-						5 min.	-
RTFO RESIDUE		T240								
Mass Change, %		T240	1.00 max.						-	
Dynamic Shear, kPa (G*/sin δ, 10 rad./sec.)	At Grade Temp.	T315	2.20 min.						-	
Elastic Recovery, % min.	25°C	T301	-				50		-	

TABLE 1 CONTINUES ON PAGE 2

To ensure the most accurate and current information, the specific agency should be contacted.



PAV RESIDUE		R28	100 °C, 20 hrs, 300 psi							
Dynamic Shear, kPa ($G^* \cdot \sin \delta$, 10 rad./sec.)	At Test Temperature	T315	22°C	25°C	28°C	25°C	31°C	28°C	25°C	-
			5000 max.							-
Creep Stiffness, MPa	At Test Temperature	T313	-18°C	-12°C	-12°C	-18°C	-12°C	-12°C	-18°C	-
			300 max.							-
M-Value			0.300 min.							-
NOTES		<ol style="list-style-type: none"> 1. Specification 00711e "Hot Asphalt Surface Treatment" 2. Requirements in addition to M320 are shown in red. 								

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