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| **State** | West Virginia | **Materials:** | Re: Section 705 Asphalt Materials |
| **Date** | 01/28/2026 | **Web Address:** | https://transportation.wv.gov/highways/TechnicalSupport/specifications/Pages/default.aspx |
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| ***West Virginia*** | | **Table 1: Requirements for Performance-Graded Asphalt Binders** (Note 1) | | | | |
|---|---|---|---|---|---|---|
| **Property** | | **Test Method: AASTHO (T), ASTM (D) or other** | **Requirements by Performance Grade** | | | |
| | | | **58S-28** | **64S-22** | **64H-22** | **64E-22** |
| **ORIGINAL** | | | | | | |
| Flash Point, ° C | | T48 | 230 min. | | | |
| Rotational Viscosity, Pa·s | 135° C | T316 | 3.0 max. | | | |
| Dynamic Shear, kPa (G*/sin δ, 10 rad./sec) | At Grade Temperature | T315 | 1.00 min. | | | |
| **RTFO RESIDUE** | | T240 | | | | |
| Mass Change, % | | T240 | 1.00 max. | | | |
| MSCR, $J_{nr3.2}$, max., $kPa^{-1}$ | At Grade Temperature | T350 | 4.5 | 4.5 | 2.0 | 0.5 |
| MSCR, $J_{nrdiff}$, max., % | | | 75 | | | - |
| MSCR, $\%rec_{3.2}$, min. | | M332 | - | - | - | (See Note 2) |
| **PAV RESIDUE** | | R28 | | | | |
| Dynamic Shear, kPa (G* · sin δ, 10 rad./sec.) | At Test Temperature | T315 | 19° C | 25° C | 25° C | 25° C |
| | | | 6000 max. (3.) | | 6000 max. | |
| Creep Stiffness, MPa | At Test Temperature | T313 | -18° C | -12° C | -12° C | -12° C |
| | | | 300 max. | | | |
| M-Value | | | 0.300 min. | | | |

**NOTES**

1. Manufacturers are not required to meet the requirements of AASHTO T-314 in Direct Tension
2. $>29.371*(Jnr3.2^{-0.263})$.
3. If the intermediate temperature stiffness, G* sin d, is below 5000 kPa, the phase angle minimum limit is not required. If the intermediate temperature stiffness, G* sin d, is between 5000 and 6000 kPa, the intermediate phase angle minimum limit of 42° is required