

Moonroof Raw Glass Requirements

Test Characteristics	Test Specification	Criteria
Homologation Requirement	Dwg Note 5-1 FMVSS 205	Must Comply
Homologation Requirement	Dwg Note 5-1 ECE R-43	Must Comply
Homologation Requirement	Dwg Note 5-1 CCC	Must Comply
Homologation Requirement	Dwg Note 5-1 INMETRO	Must Comply
Fragmentation	ANSI Z26.1 5.7	4.25 g
Paint Composition	Dwg Note 5-3 IES 60.018 - 8.3.1	[]
Paint Wet Film Thickness	Dwg Note 5-3 IES 60.018 - 8.3.2.1	[]
Paint Dry Film Thickness	Dwg Note 5-3 IES 60.018 - 8.3.2.2	[]
Paint Layer Density (ρ)	Dwg Note 5-3 IES 60.018 - 8.3.2.3	[]

Paint Surface Roughness	Dwg Note 5-3 IES 60.018 - 8.3.4	[]
Paint Layer Imperfections	Dwg Note 5-3 IES 60.018 - 8.3.5	Must Comply
Paint Surface Cleanliness, Surface Energy, & Scratch Resistance	Dwg Note 5-3 IES 60.018 - 8.3.6, 8.3.7, 8.4.1	[]
Paint Chemical Resistance	Dwg Note 5-3 IES 60.018 - 8.4.2	[]
Paint Visible Light Transmittance	Dwg Note 5-3 IES 60.018 - 8.4.3	[]
Paint UV Light Transmittance	Dwg Note 5-3 IES 60.018 - 8.4.3	[]
Paint UV Stability	Dwg Note 5-3 IES 60.018 - 8.4.4	[]
Adhesion Strength: Frit to Glass	Dwg Note 5-3 IES 60.018 - 8.4.5	[]
Resistance to Extreme Temp. & Humidity	Dwg Note 5-3 IES 60.018 - 8.4.6	[]
Impact Resistance	Dwg Note 5-3 IES 60.018 - 8.4.7 ANSI Z26.1 5.6	per ANSI Z26.1, Sec 5.6.3
Impact Resistance	Dwg Note 5-3 IES 60.018 - 8.4.7 ANSI Z26.1 5.8	per ANSI Z26.1, Sec 5.8.3

Thermal Stress Resistance (Climate Cycling)	Dwg Note 5-3 IES 60.018 - 8.4.8	[]
Resistance to breakage of glass for sunroof applications (rev. 04, 05/2013)	Dwg Note 5-6 IES 60.021 - 7.2	[]
Glass Thickness	Dwg Note 6-1	[]
Edge Condition	Dwg Note 6-1 SAE 673B	No. 1 Edge