

Muscovite Mica Sheet Grading (IEC / ASTM Aligned)

Grade	Quality Level	Visual Characteristics	Electrical Suitability	Typical Uses
V1	Premium Electrical Grade	Clear, transparent, free from cracks and stains	Excellent – High dielectric strength	High-voltage insulation, capacitors, precision electrical components
V2	High Electrical Grade	Very clear with minimal inclusions	Very good	Electrical insulation sheets, commutators
V3	Commercial Electrical Grade	Minor natural inclusions allowed	Good	General electrical and industrial insulation
V4	Industrial Grade	Visible inclusions and light staining	Moderate	Industrial insulation, thermal barriers
V5	Utility Grade	Noticeable defects and color variation	Limited	Mechanical and non-critical insulation
V6	Low Industrial Grade	Significant visual defects	Not recommended for electrical use	Industrial applications, reprocessing
V7	Scrap / Off-Grade	Broken or irregular sheets	Not applicable	Crushing, fillers, mica paper production