

Polycrystalline Ruby (Hipped)

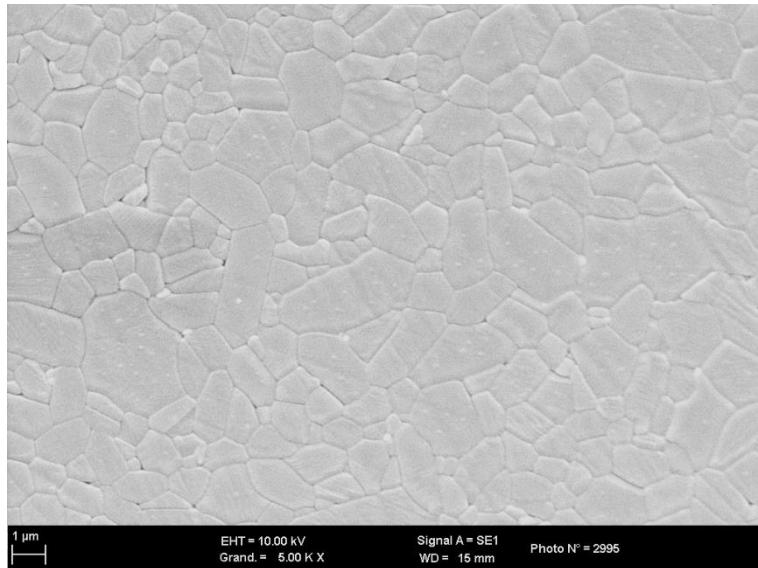
CHEMICAL COMPOSITION	Al_2O_3 Cr_2O_3 Na_2O SiO_2 Fe_2O_3 CaO	98-99%wt 1-2%wt <0.1% <0.1%wt <0.1%wt <0.1%wt	* by difference
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PHYSICAL PROPERTIES	Mean grain size Sintered density Bending strength at 20° C Hardness $H_{V0.5}$	3±1 μm 3.99 g/cm ³ 600 MPa 2000 Hv
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THERMAL PROPERTIES	Thermal conductivity at 20°C	30 W.m ⁻¹ .k ⁻¹
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ELECTRICAL PROPERTIES	Dielectric constant at 25°C-1MHz tan δ DC Volume resistivity at 25°C Dielectric strength at 3mm	- - - -
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MICROSTRUCTURE



KEY FEATURES	High translucency and hardness
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TYPICAL APPLICATIONS	Watch movement parts, insulators for medical devices.
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