

TECHNICAL DOCUMENTATION

FOR EXTERNAL PARTNERS OF KYOCERA FINECERAMICS EUROPE GMBH LOCATION MANNHEIM

This specification regulates the quality criteria for extruded, open and one-sided closed, high-purity aluminium oxide tubes and rods (purity greater than 99% Al₂O₃).

	Characteristic	Standard	Details	Note
GPS (Dimensions + Angle)	Length	DIN 40680	Appendix A	
	Diameter	DIN 40680	Appendix A	
	Edge break / Chamfer height	Factory standard Mannheim	Appendix A	
GPS (Shape + Position)	Straightness	Factory standard Mannheim	Appendix A	
	Ovality	Factory standard Mannheim	Appendix A	
	Concentricity	Factory standard Mannheim	Appendix A	
	Twist			On demand
Appearance	Color	Ivory	Appendix B	
	Optical test criteria	Factory standard Mannheim	Appendix C	SOP-K2-8-003
	Cleanliness			Rinsed with water Residual water and particles are possible
Material	Al ₂ O ₃ Type C799	DIN EN 60672		
Mechanical Properties		Factory standard Mannheim	Appendix B	
Electrical Properties		Factory standard Mannheim	Appendix B	
Corrosion Resistance		Factory standard Mannheim	Appendix D	
Function	He-Density			On demand

Appendix A: [Tolerance table geometry](#)

Appendix B: Material data sheet [DEGUSSIT AL23](#), [DEGUSSIT AL24](#)

Appendix C: Visual inspection catalog extract RSL (SOP-K2-8-003)

Appendix D: [Corrosion resistance oxide ceramics brochure](#)

Appendix E: [Advice for the treatment of DEGUSSIT thermocouple protection sleeves](#)