

Technical Datasheet

1.04591 Iriodin[®] 303 Royal Gold

Industrial Pigment

CHEMICAL COMPOSITION	%	CAS NO.
Mica	49 - 61	12001-26-2
TiO ₂	20 - 26	13463-67-7
Fe ₂ O ₃	19 - 24	1309-37-1
SnO ₂	0 - 1	18282-10-5
FORM:	Dry, free-flowing powder	
PACK SIZES:	250 g, 1 kg, 25 kg	
INTERFERENCE COLOR:	Gold	
PARTICLE SIZE DISTRIBUTION: (laser diffraction measurement)	10 - 60 µm (> 80% of particles within range)	
DENSITY: (ISO 787-10)	3.1 – 3.3 g/cm ³	
BULK DENSITY: (ISO 3923-2)	20 - 24 g/100 ml	
OIL ABSORPTION: (ISO 787-5)	70 - 90 g/100 g	
HEAT STABILITY:	Stable up to 800°C, non-flammable	
WATER SOLUBILITY:	Practically insoluble	
pH VALUE: (ISO 787-9)	6 - 9	
SHELF LIFE:	10 years	
STORAGE CONDITIONS:	Room Temperature	
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