

Physical properties		Standard
Density	98% - 7.83g/cm ³	ASTM B311
Mechanical properties		
Tensile Strength, Ultimate	594 Mpa	ASTM E8 / E8M
Tensile Strength, Yield	265 Mpa	ASTM E8 / E8M
Modulus of Elasticity	175 Gpa	ASTM E8 / E8M
Hardness HRB	86	ASTM E18 - 20
Shrinkage per dimension	15.5%	
Thermal properties		
Coefficient of Thermal Expansion		
	14.6 25°C	ASTM E831-19
	17.0 100°C	ASTM E831-20
	18.1 300°C	ASTM E831-21
	19.8 500°C	ASTM E831-22
Others		
Carbon residuals	< 0.03%	
MSDS availability	EU, US, RU	
Certifications	ISO 9001, ISO 13485	
Cartridge Weight	3Kg	
Storage conditions	15-35°C , 50% relative humidity, non-condensing	
Suitable protection	Wear suitable protective clothing, gloves and eye/face protection	
Risk phrases	H20/H22: Harmful if inhaled or swallowed H37/37/38: Irritating to eyes, respiratory system and skin	
First aid	Skin contact: rinse with large amounts of water and soap Refer for medical attention as necessary Do not use solvents or thinners	
Ingestion inhalation	DO NOT induce vomiting. Get medical attention immediately	
Shelf life	1 year	



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