

Monkey PA12 40-10 White

PA12 Powder for the use in Powder Bed Fusion Processes

Technical specifications

Color: White

Thermoplastic Polyamide 12 powder for the application in Powder Bed Fusion Processes

	Properties	Value	Unit	Method
Powder Properties	Particle Size $D_{[v, 90]}$	85	μm	DIN EN ISO 9276
	Powder Bulk Density	0.43	g/cm^3	DIN EN ISO 60
	Recommended Refreshing Rate	30 - 50	%	
Thermal Properties	Melt Temperature	179	$^{\circ}\text{C}$	DIN EN ISO 11357
	Crystallization Temperature	140	$^{\circ}\text{C}$	DIN EN ISO 11357
Part Properties	Part Density	1.01	g/cm^3	DIN EN ISO 1183-1
	Tensile Modulus	1.500	MPa	DIN EN ISO 527
	Tensile Strength	40	MPa	DIN EN ISO 527
	Elongation at Break	10	%	DIN EN ISO 527