

EOS PA 2105

Polyamide 12

EOS GmbH

Message:

PA 2105 is a fine Polyamide 12 powder, which is coloured by light skin colour pigments. Typical application is the production of dental models of highest precision and surface quality directly from digital data.

General Information			
Features	Outstanding Surface Finish		
Uses	Dental Applications		
	Modeling Material		
Appearance	Light Beige		
Forms	Powder		
Processing Method	3D Printing, Laser Sintering/Melting		
Physical	Nominal Value	Unit	Test Method
Density	0.950	g/cm ³	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	75		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	1850	MPa	ISO 527-2
-- ²	1800	MPa	ISO 527-2
Tensile Stress ³	54.0	MPa	ISO 527-2
Tensile Strain			
Break ⁴	20	%	ISO 527-2
Break ⁵	15	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Melting Temperature ⁶	176	°C	ISO 11357
NOTE			
1.	X Direction		
2.	Z Direction		
3.	Z Direction		
4.	X Direction		
5.	Z Direction		
6.	20°C/min		

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