

Möller Medical NanoSkin Magic 112 NanoCoating

Category : Ceramic , Glass , Glass Ceramic , Other Engineering Material , Ceramic/Metallic Coating

Material Notes:

Thermal resistant coating with outstanding easy-to-clean effect and chemical resistance, bioinert
Information provided by Möller Medical,
Member of CENTROTEC Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_Mller-Medical-NanoSkin-Magic-112-NanoCoating.php

Physical Properties	Metric	English	Comments
Thickness	15.0 - 40.0 microns	0.591 - 1.57 mil	

Mechanical Properties	Metric	English	Comments
Taber Abrasion, mg/1000 Cycles	64	64	CS17 friction disc with 500g load; DIN 53754

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	350 °C	662 °F	

Processing Properties	Metric	English	Comments
Processing Temperature	300 - 320 °C	572 - 608 °F	Hardening Temperature

Descriptive Properties	Value	Comments
Applicable Substrate	Aluminum	
	Brass	with restrictions
	Copper	
	Glass	with restrictions
	Stainless Steel	
	Tubes int. dia. 0.1-10 mm	with restrictions
Biocompatibility	Biocompatible	One-parametric cytotoxicity test
Contact Angle to Water [deg]	112	
Cupping Test [mm]	0.5	DIN EN ISO 1520
Non-Applicable Substrate	ABS	
	Nylon	

Descriptive Properties	PMMA Value	Comments
	Polycarbonate	
Pendulum Dampening Test [sec]	100-120	DIN EN ISO 1522

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