

Möller Medical NanoSkin 81 NanoCoating

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

Material Notes:

Boiling-water resistant, non-abrasive coating also for plastics with very good chemical resistance. Information provided by Möller Medical, Member of CENTROTEC Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_Möller-Medical-NanoSkin-81-NanoCoating.php

Physical Properties	Metric	English	Comments
Thickness	5.00 - 50.0 microns	0.197 - 1.97 mil	

Mechanical Properties	Metric	English	Comments
Taber Abrasion, mg/1000 Cycles	14	14	CS17 friction disc with 500g load; DIN 53754

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	230 Â°C	446 Â°F	

Processing Properties	Metric	English	Comments
Processing Temperature	120 - 210 Â°C	248 - 410 Â°F	Hardening Temperature

Descriptive Properties	Value	Comments
Applicable Substrate	Aluminum	
	Brass	
	Copper	
	Glass	
	Nylon	
	PMMA	with restrictions
	Polycarbonate	
	Stainless Steel	
	Tubes int. dia. 0.1-10 mm	
Contact Angle to Water [deg]	81	
Cupping Test [mm]	1.1	DIN EN ISO 1520

Non-Applicable Substrate Descriptive Properties	ABS Value	Comments
Pendulum Dampening Test [sec]	160-180	DIN EN ISO 1522

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