

Möller Medical NanoSkin 78 NanoCoating

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

Material Notes:

Transparent, scratch-resistant coating also for plastics with good resistance against dissolvents. Information provided by Möller Medical, Member of CENTROTEC Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_Möller-Medical-NanoSkin-78-NanoCoating.php

Physical Properties	Metric	English	Comments
Thickness	15.0 - 30.0 microns	0.591 - 1.18 mil	

Mechanical Properties	Metric	English	Comments
Taber Abrasion, mg/1000 Cycles	26	26	CS17 friction disc with 500g load; DIN 53754

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	200 Â°C	392 Â°F	

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

Processing Properties	Metric	English	Comments
Processing Temperature	60.0 - 150 Â°C	140 - 302 Â°F	Hardening Temperature

Descriptive Properties	Value	Comments
Applicable Substrate	ABS	
	Aluminum	
	Brass	
	Copper	
	Glass	
	Nylon	
	PMMA	
	Polycarbonate	
	Stainless Steel	

Descriptive Properties	Value <small>int. dia. 0.1-10 mm</small>	Comments
Biocompatibility	Biocompatible	One-parametric cytotoxicity test
Contact Angle to Water [deg]	78	
Cupping Test [mm]	0.7	DIN EN ISO 1520
Pendulum Dampening Test [sec]	70-90	DIN EN ISO 1522

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