

## Möller Medical PolySkin 102 M NanoCoating

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

### Material Notes:

Decorative, thermally stable coating with "metallic look," easy-to-clean effect can be added. Information provided by Möller Medical, Member of CENTROTEC Group

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Mller-Medical-PolySkin-102-M-NanoCoating.php](http://www.lookpolymers.com/polymer_Mller-Medical-PolySkin-102-M-NanoCoating.php)

| Physical Properties | Metric              | English            | Comments |
|---------------------|---------------------|--------------------|----------|
| Thickness           | 1.00 - 10.0 microns | 0.0394 - 0.394 mil |          |

| Mechanical Properties          | Metric | English | Comments                                     |
|--------------------------------|--------|---------|--|
| Taber Abrasion, mg/1000 Cycles | 44     | 44      | CS17 friction disc with 500g load; DIN 53754 |

| Thermal Properties               | Metric  | English | Comments |
|----------------------------------|---------|---------|----------|
| Maximum Service Temperature, Air | 250 Â°C | 482 Â°F |          |

| Processing Properties  | Metric        | English       | Comments              |
|------------------------|---------------|---------------|-----------------------|
| Processing Temperature | 140 - 150 Â°C | 284 - 302 Â°F | Hardening Temperature |

| Descriptive Properties       | Value           | Comments          |
|------------------------------|-----------------|-------------------|
| Applicable Substrate         | Aluminum        |                   |
|                              | Brass           |                   |
|                              | Copper          |                   |
|                              | Glass           | with restrictions |
|                              | Stainless Steel |                   |
| Contact Angle to Water [deg] | 102             |                   |
| Cupping Test [mm]            | 8.4             | DIN EN ISO 1520   |
| Non-Applicable Substrate     | ABS             |                   |
|                              | Nylon           |                   |
|                              | PMMA            |                   |
|                              | Polycarbonate   |                   |

| Descriptive Properties        | Tubes int. dia. 0.1-10 mm<br>Value | Comments        |
|-------------------------------|------------------------------------|-----------------|
| Pendulum Dampening Test [sec] | 130-140                            | DIN EN ISO 1522 |

## Contact Songhan Plastic Technology Co.,Ltd.

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