

# Product Data Sheet



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| Product Name | SiC Foil                           |
|--------------|------------------------------------|
| Cat. no.     |                                    |
| 40400200     | SiC Foil # 80, 200 mm (8") dia.    |
| 40400201     | SiC Foil # 120, 200 mm (8") dia.   |
| 40400202     | SiC Foil # 180, 200 mm (8") dia.   |
| 40400203     | SiC Foil # 220, 200 mm (8") dia.   |
| 40400204     | SiC Foil # 320, 200 mm (8") dia.   |
| 40400205     | SiC Foil # 500, 200 mm (8") dia.   |
| 40400206     | SiC Foil # 800, 200 mm (8") dia.   |
| 40400207     | SiC Foil # 1000, 200 mm (8") dia.  |
| 40400208     | SiC Foil # 1200, 200 mm (8") dia.  |
| 40400209     | SiC Foil # 2000, 200 mm (8") dia.  |
| 40400212     | SiC Foil # 4000, 200 mm (8") dia.  |
| 40400220     | SiC Foil # 80, 250 mm (10") dia.   |
| 40400221     | SiC Foil # 120, 250 mm (10") dia.  |
| 40400222     | SiC Foil # 180, 250 mm (10") dia.  |
| 40400223     | SiC Foil # 220, 250 mm (10") dia.  |
| 40400224     | SiC Foil # 320, 250 mm (10") dia.  |
| 40400225     | SiC Foil # 500, 250 mm (10") dia.  |
| 40400226     | SiC Foil # 800, 250 mm (10") dia.  |
| 40400227     | SiC Foil # 1000, 250 mm (10") dia. |
| 40400228     | SiC Foil # 1200, 250 mm (10") dia. |
| 40400229     | SiC Foil # 2000, 250 mm (10") dia. |
| 40400232     | SiC Foil # 4000, 250 mm (10") dia. |
| 40400240     | SiC Foil # 80, 300 mm (12") dia.   |
| 40400241     | SiC Foil # 120, 300 mm (12") dia.  |
| 40400242     | SiC Foil # 180, 300 mm (12") dia.  |
| 40400243     | SiC Foil # 220, 300 mm (12") dia.  |
| 40400244     | SiC Foil # 320, 300 mm (12") dia.  |
| 40400245     | SiC Foil # 500, 300 mm (12") dia.  |
| 40400246     | SiC Foil # 800, 300 mm (12") dia.  |
| 40400247     | SiC Foil # 1000, 300 mm (12") dia. |
| 40400248     | SiC Foil # 1200, 300 mm (12") dia. |
| 40400249     | SiC Foil # 2000, 300 mm (12") dia. |
| 40400252     | SiC Foil # 4000, 300 mm (12") dia. |
| 40400260     | SiC Foil # 80, 350 mm (14") dia.   |
| 40400261     | SiC Foil # 120, 350 mm (14") dia.  |
| 40400262     | SiC Foil # 180, 350 mm (14") dia.  |
| 40400263     | SiC Foil # 220, 350 mm (14") dia.  |
| 40400264     | SiC Foil # 320, 350 mm (14") dia.  |
| 40400265     | SiC Foil # 500, 350 mm (14") dia.  |
| 40400266     | SiC Foil # 800, 350 mm (14") dia.  |
| 40400267     | SiC Foil # 1000, 350 mm (14") dia. |
| 40400268     | SiC Foil # 1200, 350 mm (14") dia. |
| 40400269     | SiC Foil # 2000, 350 mm (14") dia. |
| 40400271     | SiC Foil # 4000, 350 mm (14") dia. |

**Revision** 14-01-2019

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|                                  |   |
|----------------------------------|---|
| <b>Description</b>               | Grinding surface with foil backing.   |
| <b>Material</b>                  | Foil coated with silicon carbide grains in resin binder.  |
| <b>Properties</b>                | PET foil backing to be applied on Struers MD-Gekko or Gekko PSA.  |
| <b>Application</b>               | For wet grinding of materials with hardness 30 - 800 HV.  |
| <b>Health and Safety</b>         | <ul style="list-style-type: none"> <li>- Whilst rotating, ensure hands are kept well clear of the edge and out of the splash bowl.</li> <li>- Do not exceed a rotational speed of 600 rpm.</li> </ul> <p>To the best of Struers' knowledge, the products listed above do not contain any Substances of Very High Concern (SVHC) according to REACH regulations (amended on 20th June 2016) at or above 0.1%.</p> <p>According to Article 3(3) of the REACH Regulation (EC) No 1907/2006, this product is considered an article and is defined as <i>“an object which during production is given a special shape, surface or design which determines its function to a greater degree than its chemical composition”</i>.</p> <p>Therefore this product is exempted from CLP obligations and is outside the scope of the UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS).</p> <p>See the Instructions for Use for more information.</p> |
| <b>Skin protection</b>           | Wear protective gloves during prolonged grinding.   |
| <b>Respiratory Protection</b>    | It is recommended that the grinding machine is adequately ventilated during use of SiC Foil.  |
| <b>Environmental precautions</b> | Dispose of waste and residues as metal waste in accordance with local regulations.  |

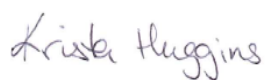
**Grit/Grain size comparison\*- Struers grinding papers are classified according to FEPA Standards (Federation of the European Producers of Abrasives). US Grit Numbers and those specified by FEPA and corresponding average grain diameter in microns are shown.**

|                        |       |       |      |      |      |      |      |       |       |       |         |
|------------------------|-------|-------|------|------|------|------|------|-------|-------|-------|---------|
| <b>FEPA P (Europe)</b> | #80   | #120  | #180 | #220 | #320 | #500 | #800 | #1000 | #1200 | #2000 | #4000** |
| <b>ANSI/CAMI (US)</b>  | #80   | #120  | #180 | #220 | #280 | #360 | #400 | #500  | #600  | #1000 | #1200   |
| <b>Grain size</b>      | 200µm | 125µm | 82µm | 68µm | 46µm | 30µm | 22µm | 18µm  | 15µm  | 10µm  | 5µm     |

\*) Guideline values only

\*\*) Not part of FEPA P standardization

Approved by:



Krista Huggins

Chemical Safety Specialist  
Struers ApS.