

MATERIAL DATA SHEET / MATERIAL-DATENBLATT

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|---|--|--------------------------------------|
| Material code <i>Material-Code</i> | UAT62 | old / alt (UAT62) |
| Additional codes <i>Weitere Codes</i> | U9BO7, 4U2X, U9BON, 4U2W, 4U2 | |
| Material reference <i>Material-Referenz</i> | P3B | |
| Basic polymer <i>Basis-Polymer</i> | PUR | |
| Hardness <i>Härte</i> | ASTM D 2240 | 93 +/- 3 Shore A |
| | | IRHD |
| Color <i>Farbe</i> | black / schwarz | |
| Specific gravity <i>Dichte</i> | ISO 1183-1 | 1.13 +/-0.02 g/cm³ |
| ASTM code <i>ASTM-Code</i> | D2000 / SAE J200 | |
| Temperature range <i>Temperatureinsatzbereich</i> | -40 °C to / bis 80 °C | |
| | Maximum and minimum working temperature have to be agreed according to specific application criteria. / <i>Maximale. und minimale Betriebstemperatur müssen je nach spezifischen Einsatzkriterien abgestimmt werden.</i> | |
| Market segments <i>Marktbereiche</i> | | |
| Applications <i>Einsatzgebiete</i> | | |

The indicated material properties at measured values are mean values determined with standard test bars. They may not be used as specification values and they are not directly comparable to material properties of finished parts. This is to emphasise that the customer himself is obliged to test the material with regard to its suitability in the application. This data sheet has not a change of service.

Die unter Istwert angegebenen Kennwerte sind Mittelwerte und wurden an Normprobekörpern bestimmt. Sie dürfen nicht als Spezifikationswerte verwendet werden. Auch sind sie nicht mit am Fertigteil bestimmten Kennwerten vergleichbar. Der Abnehmer ist insbesondere nicht davon befreit, selbst die Eignung unserer Ware für den beabsichtigten Verwendungszweck zu prüfen. Das Datenblatt unterliegt nicht dem Änderungsdienst.

SCHEDA MATERIALE

DATA SHEET

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|------|----------|-----------|----------------|
| Data | 02/01/03 | MATERIALE | TPU P3B |
| Date | Rev.: | Material | |

Il materiale è un poliuretano termoplastico a base polietero. / *The material is a Polyether based thermoplastic polyurethane.*

Temperature di servizio – 40° ÷ 80°C dipende dalle condizioni di servizio e dal fluido operativo.

Service temperature range – 40° - 80°C which is dependant upon medium to be sealed and conditions of service.

Colore nero / *Black colour*

| PROPRIETÀ FISICHE <i>Physical Properties</i> | UNITÀ <i>Units</i> | NORMATIVA <i>Test Method</i> | SPECIFICHE <i>Specification</i> |
|--|-----------------------|---------------------------------|------------------------------------|
| DUREZZA <i>Hardness</i> | ShA | ASTM D2240 | 90 ÷ 96 |
| PESO SPECIFICO <i>Density</i> | g/cm ³ | ASTM D1817 | 1.13 ± 0.02 |
| CARICO A ROTTURA <i>Tensile Strength</i> | MPa | ASTM D412 C | > 20 |
| ALLUNGAMENTO A ROTTURA <i>Elongation at break</i> | % | ASTM D412 C | > 400 |
| MODULO AL 100% <i>Modulus at 100%</i> | MPa | ASTM D412 C | > 9 |
| C. SET 22 h a 70°C | % | ASTM D395 B | < 35 |

| INVECCHIAMENTO IN <i>Aged in</i> | TEMPO <i>Time</i> h | TEMP. <i>Temp.</i> °C | DUREZZA <i>Hardness</i> ShA | CARICO <i>Tensile</i> % | ALLUNGAMENTO <i>Elongation</i> % | VOLUME <i>Volume</i> % |
|-------------------------------------|---------------------------|-----------------------------|-----------------------------------|-------------------------------|--|------------------------------|
| ACQUA <i>Water</i> | 70 | 70 | -3 ÷ 3 | 0 ÷ +5 | 0 ÷ +25 | 0 ÷ +3 |
| ASTM 3 | 70 | 100 | -5 ÷ 5 | 0 ÷ -15 | 0 ÷ +40 | 0 ÷ +15 |
| ASTM 5 | 70 | 100 | -2 ÷ 2 | 0 ÷ +5 | 0 ÷ +25 | 0 ÷ +5 |

Le informazioni presenti sono basate sulle nostre conoscenze tecniche. La Busak+Shamban S.p.A non garantisce l' idoneità del materiale per qualsiasi applicazione. Il cliente dovrebbe effettuare le proprie verifiche per accertarsi della validità del materiale nelle specifiche condizioni operative.

The information herein is accurate to the extent of our current technical knowledge. Busak+Shamban S.p.A. makes no warranty that the material is suitable for all applications. Customers should undertake their own tests to ensure suitability for particular conditions of operation.

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| Rev.: | IT/EN | Data/Date |
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