

## Technical Data Sheet

## SustaPEEK XDT - ASTM

## Typical characteristics

- X-ray detectable as small as 3mm particle size
- High impact resistance
- Good wear resistance

## Typical industries

- Bakery and Confectionery
- Beverage Industry
- Food Industry

|   | Test method | Unit                       | Guideline value |
|---|-------------|----------------------------|-----------------|
| <b>General properties</b>               |             |                            |                 |
| Density                                 | ASTM D792   | g / cm <sup>3</sup>        | 1.44            |
| <b>Mechanical properties</b>            |             |                            |                 |
| Tensile Strength at Yield               | ASTM D638   | psi                        | 14500           |
| Hardness                                | ASTM D2240  | Shore D                    | 80              |
| Tensile Elongation                      | ASTM D638   | %                          | 5               |
| Izod Impact, Notched                    | ASTM D256   | ft-lb/in                   | 1.2             |
| <b>Thermal properties</b>               |             |                            |                 |
| Coefficient of Linear Thermal Expansion | ASTM D696   | in/in/°F x10 <sup>-5</sup> | 1.2             |
| Melting Point                           | ASTM D789   | °F                         | 630             |
| Continuous Service Temperature, Air     |             | °F                         | 480             |
| Heat Deflection Temperature 264psi      | ASTM D648   | °F                         | 320             |
| <b>Compliance properties</b>            |             |                            |                 |
| FDA                                     |             |                            | Yes             |
| NSF                                     |             |                            | Yes             |
| USDA                                    |             |                            | Yes             |

The data stated above are average values ascertained by statistical tests on a regular basis. The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale.

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