

Ultrasint® PA6

Advanced PA6 Material suits a wide range of high-temperature applications

Key Features:

- > Excellent mechanical properties
- > Outstanding toughness and strength
- > High resistance to thermal deformation
- > Outstanding media tightness as printed

Example Applications:

- > Engine components
- > Jigs, piping structures and fluid storage parts
- > Perfect for end-use parts in aerospace, automotive and industry tools

[Technical Data]

General Properties	Bulk Density	0.52 g/cm ³
	Part Density	1.15 g/cm ³
	Color	Canary yellow
Thermal Properties	Melting Point (10°C/min) <small>ISO 11357-1:2020</small>	220 °C
	Heat Deflection Temp(HDT) @1.8 MPa <small>ISO 78-1:2020</small>	103 °C
	Heat Deflection Temp(HDT) @0.45 MPa <small>ISO 78-1:2020</small>	192 °C
Mechanical Properties	Tensile Strength <small>ISO 527-1:2019</small>	66 MPa
	Tensile Modulus <small>ISO 527-1:2019</small>	3700 MPa
	Elongation at Break <small>ISO 527-1:2018</small>	2.0%
	Flexural Strength <small>ISO 178:2019</small>	n/a
	Flexural Modulus <small>ISO 178:2019</small>	3350 MPa
	Izod Impact Strength (notched) <small>ISO 180:2019</small>	2.6 KJ/m ²
	Izod Impact Strength (unnotched) <small>ISO 180:2019</small>	7.2 KJ/m ²

Disclaimer: Many factors may affect the performance characteristics of products. We recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. Farsoon makes no warranties of any type, express or implied, including but not limited to, the warranties of merchantability or fitness for a particular use. This also applies regarding the consideration of possible intellectual property rights as well as laws and regulations. Farsoon reserves the right to change the technical data without notice. Farsoon®, Buildstar®, Makestar® are registered trademarks of Farsoon Technologies. Last Change: 2022-01-29



Adaptor Pipe
 System: HT403P
 Partner: BASF, PATAC

www.farsoon.com