

FS1092A-TPU

High-performance TPU Material offering superb flexural modulus of build parts

Key Features:

- > Superb elongation and flexural performance
- > Excellent impact and shock resistance
- > High material reusability
- > Low processing temperature required

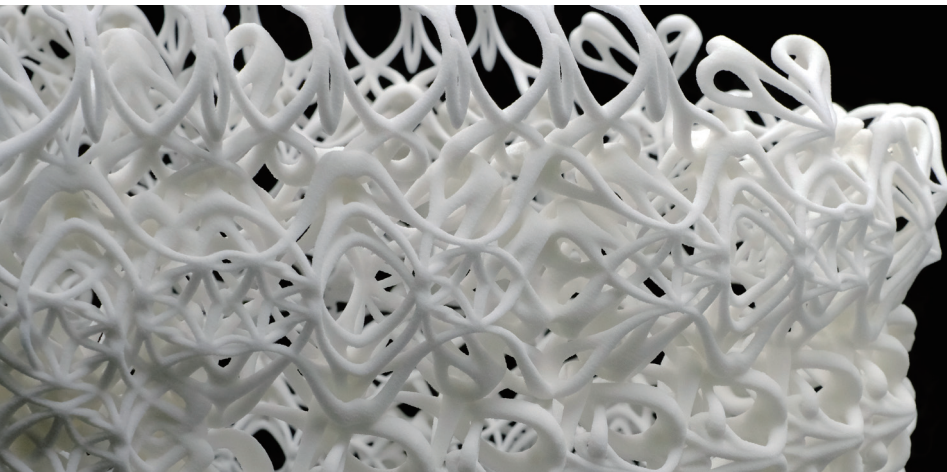
Example Applications:

- > Ideal for applications requiring an elastic, flexible and durable material
- > Automotive interior, cushion and flexible parts
- > Consumer products such as shoe sole, helmet lining

[Technical Data]

General Properties	Bulk Density	0.64 g/cm ³
	Part Density	1.12 g/cm ³
	Color	White
Thermal Properties	Melting Point (10°C/min) <small>ISO 11357-1:2020</small>	169 °C
	Heat Deflection Temp(HDT) @1.8 MPa <small>ISO 78-1:2020</small>	n/a
	Heat Deflection Temp(HDT) @0.45 MPa <small>ISO 78-1:2020</small>	n/a
Mechanical Properties	Tensile Strength <small>ISO 527-1:2019</small>	18 MPa
	Tensile Modulus <small>ISO 527-1:2019</small>	61 MPa
	Elongation at Break <small>ISO 527-1:2018</small>	276%
	Flexural Strength <small>ISO 178:2019</small>	6.2 MPa
	Flexural Modulus <small>ISO 178:2019</small>	86 MPa
	Izod Impact Strength (notched) <small>ISO 180:2019</small>	No break
	Izod Impact Strength (unnotched) <small>ISO 180:2019</small>	No break

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