

FS1088A-TPU

Advanced TPU Material for producing parts with excellent elongation

Key Features:

- > Excellent elongation
- > High material re-usability
- > Low processing temperature required

Example Applications:

- > Ideal for soft and elastic parts fabrication
- > Multi-purpose applications in industrial and consumer products such as cases, lids, fashion apparels and accessories.

[Technical Data]

General Properties	Bulk Density	0.46 g/cm ³
	Part Density	1.20 g/cm ³
	Color	White
Thermal Properties	Melting Point (10°C/min) <small>ISO 11357-1:2020</small>	160 °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>	20 MPa
	Tensile Modulus <small>ISO 527-1:2019</small>	30 MPa
	Elongation at Break <small>ISO 527-1:2018</small>	340%
	Flexural Strength <small>ISO 178:2019</small>	n/a
	Flexural Modulus <small>ISO 178:2019</small>	27 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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Shoe sole with lattice structure
 System: HT403P
 Partner: PEAK Sports

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