

FlexSinter (Rubber-like)

FlexSinter is a sintered polymer that **simulates the characteristics of the rubber**. Many different colors are available (black, blue, yellow, natural, red) **all with 60ShA of hardness**.

This material has good **flexibility**, good **elastic recovery** and it's more durable than most other 3D printed rubbers. Very suitable for applications in the **lighting and automotive industry**.

Mechanical Properties

	Test Method	English	Metric
Tensile Strength	ASTM D638	335 psi	2.3 MPa
Tensile Modulus	ASTM D638	1,340 psi	9,2 MPa
Elongation at Break	ASTM D638	151 %	151 %
Flexural Modulus @ 23°C	ASTM D790	1,130 psi	7,8 MPa
Initial Tear Resistance Die C @ 23°C (73°F)	ASTM D624	88 lb/lin	15,4 kN/m
Bursting Strength (Straight) @ 23°C	-----	11 psi	0.076 MPa

Thermal Properties

	Test Method	Value	Available Colors
Shore Hardness (A) 23°C	D2240 Scale A	55-80	<div style="display: flex; flex-direction: column; gap: 5px;"> <div> Black</div> <div> Red</div> <div> Blue</div> <div> Ivory</div> <div> Yellow</div> </div>
Abrasion Resistance Taber, CS17 wheel, 1Kg (2.2lb) load	ATSM D4060	-----	