

Elastic ToughRubber™ 90

ETR90-TD-385-B

TYPE	STANDARD	PARAMETER	UNIT	VALUE
Liquid	ASTM D2196	Viscosity	cP	6300
Liquid	ASTM D792	Liquid Density	g/mL	1.036
Print	ASTM D2240	Hardness - 0 s	Shore A	89
Print	ASTM D2240	Hardness - 10 s	Shore A	85
Print	ASTM D2240	Hardness - 0 s	Shore D	28
Print	ASTM D2240	Hardness - 10 s	Shore D	25
Print	ASTM D4065	Glass Transition (DMA) - Low	°C	-69
Print	ASTM D4065	Glass Transition (DMA) - High	°C	75
Print	ASTM D4065	Storage Modulus @ 25 C	MPa	52
Print	ASTM D638 Type V	Fracture Toughness	MJ/m ³	18.5
Print	ASTM D638 Type V	Elongation at Break	%	220
Print	ASTM D638 Type V	Ultimate Tensile Strength	MPa	12
Print	ASTM D624 Die C	Tear Strength	kN/m	41
Print	ASTM D395 Method B Type 1	Compression Set - 25 C/25%/22hrs	%	32
Print	ASTM D395 Method B Type 1	Compression Set - 70 C/25%/22hrs	%	72
Print	ASTM D2632	Bayshore Resilience	%	43

The data provided are typical values when following the described testing parameters and recommended processing and post processing steps on standard prints. 3D Printing materials properties can change based on any changes to the above.