

Comparison of PUprint 72 A and HPE 70 A (PU for vacuum casting).



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TECHNICAL DATA

PRODUCT TYPE AND PRINT ORIENTATION			PUPRINT XY	PUPRINT XZ	PUPRINT ZX	HPE 70A
Hardness	Shore A	ISO 868	72	72	72	70
Hardness at 80 °C	Shore A	ISO 868	64	64	64	
Max. tensile strength at 23 °C	MPa	ISO 37-1	6,5	4,6	4	7,2
Elongation at break at 23 °C	%	ISO 37-1	800	650	700	800
Tensile strength at 300 %	MPa	ISO 37-1	4	3,1	3	5
Tear resistance	kN/m	ISO 34-1	31	24	30	39
Rebond	%	ISO 4662	47			53

SYNTHƏD+ PUPRINT

A NEW GENERATION OF POLYURETHANE

- » Allows unique shapes to be printed, without the constraints of molds
- » As strong as casting and injection PUs thanks to the chemical bonds between layers
- » From soft to semi-rigid with four different hardness levels
- » High thermo mechanical resistance

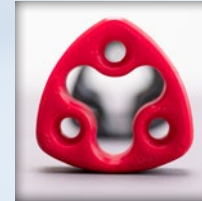
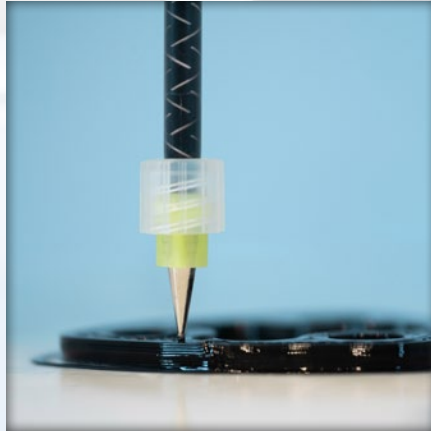
ELASTOMERS FOR 3D PRINTING

- » The SYNTHƏD+ PUprint system offers the same high level of mechanical and thermal properties as the rest of the SYNTHENE elastomer range
- » The PUprint solution provides a robust alternative to existing TPU filament materials on the market

ALREADY IN APPLICATION IN THE INDUSTRY

- » Our partners have already ordered the first 3D printing machines to print this cutting-edge material, with high demand from sectors such as defense, aviation, automotive and other industries with high quality requirements

MANAGEMENT SUMMARY
SYNTHENE
SYNTHƏD+
PU PRINT



Watch a short clip
of the SYNTHƏD+
PUprint in action.

DEVELOPED IN
PARTNERSHIP WITH
 **Lynxter**