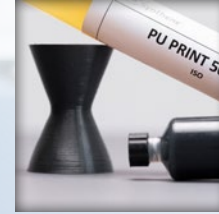
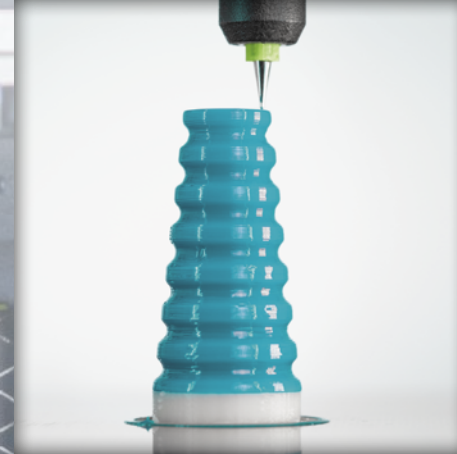
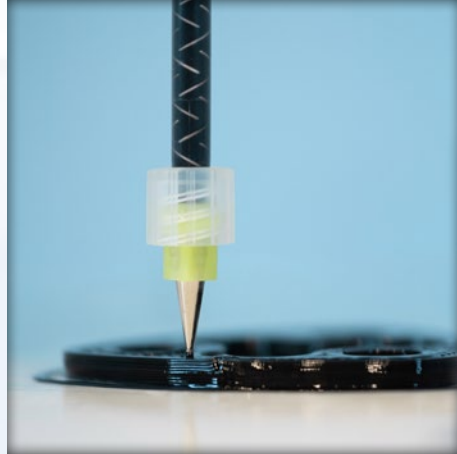




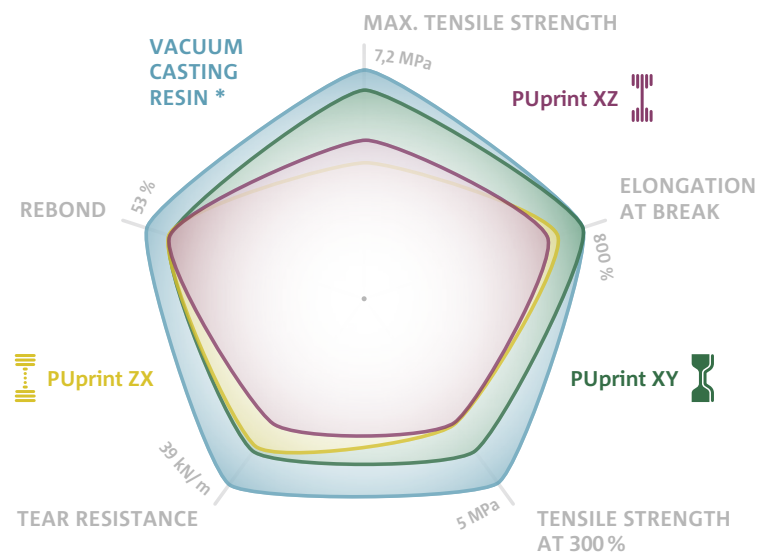
MANAGEMENT SUMMARY
SYNTHENE
SYNTHED+
PU PRINT



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

DEVELOPED IN
PARTNERSHIP WITH
 **Lynxter**

PURE INNOVATION IN 3D PRINTING



Comparison of PUprint 72 A and a PU for vacuum casting.*

TECHNICAL DATA

PRODUCT TYPE AND PRINT ORIENTATION			PUPRINT XY	PUPRINT XZ	PUPRINT ZX	VACUUM CASTING RESIN *
Hardness	Shore A	ISO 868	72			70
Hardness at 80 °C	Shore A	ISO 868	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

* SYNTHENE HPE 70A, a vacuum casting resin known for its high mechanical properties and suitable for prototypes and industrial parts.

SYNTHED+ 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 SYNTHED+ 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



CONTACT

Max Mezza

+33 3 44 31 78 05 TEL
+33 6 14 48 41 26 CELL

mma@synthene.com

SYNTHENE SAS

45 Ferme de l'Evêché
60723 Pt-St-Maxence

www.synthene.com