

## TECHNICAL DATA SHEET FOR PRODUCT:

### RubberJet FILAMENT

<b>Use</b>	is a material for the FDM (FFF) 3D printing additive technology		
<b>Material</b>	thermoplasticelastomer, petroleum product		
<b>Diameters</b>	1,75 mm		
<b>Tolerance</b>	± 0,1 mm		
<b>Weight</b>	0,5 kg netto ± 5% / 0,7 kg brutto ± 5%		
<b>Packing</b>	spool in Vacuum ZIP bag, inserting to paper box, all in LDPE foil		
<b>Colours</b>	views on web <a href="https://www.filament-pm.com/rubberjet">https://www.filament-pm.com/rubberjet</a>		
<b>Solvents</b>	cyklohexane, tetrahydrofurane		
<b>Printing Properties:</b>			
<b>Temperature HE</b>	210– 240 °C		
<b>Temperature HB</b>	20 - 50 °C		
<b>Surface bed</b>	PP tape, ultem		
<b>Cooling print object</b>	YES		
<b>Nozzle</b>	All diameters		
<b>Printer space</b>	Open		
<b>Material Properties for TPE88:</b>			
<b>Thermal</b>	vicat softening temperature	ISO 306	<b>100 °C</b>
	heat deflection temperature	ISO 75	<b>100 °C</b>
<b>Mechanical</b>	Tensile strength	ISO 37	<b>5,5 MPa</b>
	Elongation at Break	ISO 37	<b>300%</b>
	Tear resistance	ISO 34-1	<b>27 N/mm</b>
<b>Physical</b>	Density	ISO 1183/B	<b>0,88 g/cm<sup>3</sup></b>
	Hardness	ISO 7619	<b>88 ShoreA</b>
<b>Material Properties for TPE32:</b>			
<b>Thermal</b>	vicat softening temperature	ISO 306	<b>100 °C</b>
	heat deflection temperature	ISO 75	<b>100 °C</b>

<b>Mechanical</b>	Tensile strength	ISO 37	<b>15 MPa</b>
	Elongation at Break	ISO 37	<b>650%</b>
	Tear resistance	ISO 34-1	<b>41 N/mm</b>
<b>Physical</b>	Density	ISO 1183/B	<b>1,10 g/cm<sup>3</sup></b>
	Hardness	ISO 7619	<b>32 ShoreD</b>