













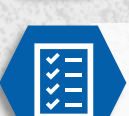


# Ultrasint® TPU01 certificates and tests

	<b>Lattice design</b>	Lattice identification through Ultrasim® simulation		<b>Post processing</b>	Dyeing, vapour smoothing, coating
	<b>Cyclic loading</b>	Rossflex: plates at -10°C and 23°C and lattice at 23°C from 100k to 1mio. cycles		<b>Chemical resistance</b>	Available for selected IRM oils and Fuel A.; washability and cleaning through soap, ethanol, isopropanol
	<b>UV resistance</b>	Available for ISO 4892-2A Cycle 1 and ISO 4892-2B Cycle 3		<b>Burst pressure</b>	Available for wall thicknesses 1 – 1.5 – 2 – 3 mm
	<b>Hydrolysis resistance</b>	Available for 40-60-70-80°C		<b>Air and water tightness</b>	Water tightness and air tightness tests results available
	<b>Flame Resistance</b>	UL blue card available (HB rating) and FMVSS 302		<b>Skin contact</b>	Statement available for printed part and printed + vapour smoothed (ISO 10993-5, 10993-10, OECD Guideline No. 439))
	<b>Low / high temperature resistance</b>	DMA for -50 to 100°C; Impact tests at low temp., tensile tests at 50°C, Vicat		<b>Emissions</b>	VDA 270, 275, 276, 278, DIN 75201B
	<b>Electrical Properties</b>	Dielectric strength, dielectrical constant, surface and volume resistivity		<b>Bonding and Glueing</b>	Results for welding and gluing available.
	<b>Electrical Properties</b>	Available: REACH, RoHS, PAHs, GADSL. Material listed in IMDS. Further documents on request.			