

# RHONDAMA LIMITED HT-PU

## HT-PU Hardness 96° Shore A Natural White

Thermoplastic polyurethane for high-temperature applications (TPU)

### Mechanical, physical and thermal properties

Properties	Condition	Standard	Unit			
Colour				Natural White		Natural White
Hardness	23°C	ISO 868	Shore A	96±2	Shore A	96±2
Hardness	23°C	ISO 868	Shore D	44±3	Shore D	44±3
Modulus 100%	23°C	DIN 53 504	MPa	≥11	Psi	≥1595
Modulus 300%	23°C	DIN 53 504	MPa	≥22	Psi	≥3190
Tensile strength	23°C	DIN 53 504	MPa	≥45	Psi	≥6525
Elongation at break	23°C	DIN 53 504	%	≥500	%	≥500
Tear strength	23°C	DIN 53 515	kN/m	≥80	Ibf/inch	≥450
Spec. gravity	23°C	ISO 1183	Kg/m <sup>3</sup>	1170	g/cm <sup>3</sup>	1,17
Abrasion	23°C	DIN 53 516	mm <sup>3</sup>	15	mm <sup>3</sup>	15
Compression set	*	ISO 815	%	≤32	%	≤32
Compression set	**	ISO 815	%	≤50	%	≤50
Minimum service temperature			°C	-35	°F	-31
Maximum service temperature			°C	135	°F	275
Maximum service temperature (short)			°C	150	°F	300
* 24 h 70°C 25% deflection		** 24h 100°C 25% deflection				

### Chemical Properties

**Copolymer, based on aromatic isocyanate and diols**

**Resistant to:** oil, petrol, hot water, ozone

**Not resistant to:** conc. acids, conc. lyes, conc. alcohols and aromatic solvents

*Detailed information concerning chemical resistance see DMH Compatibility Chart*