

Material : Thermoplastic Polyurethane

MAX SPARE Code : PU-98 (Spider Material)

Physical properties	Nominal	Units
Density	1.22 ± 0.02	g/cm ³
ASTM D 792		
Hardness	98 ± 2	Shore A
ASTM D 2240		
Abrasion Loss	< 35	mm ³
DIN 53516		
Tensile strength	> 40	MPa
ASTM D 412		
Elongation at break	> 450	%
ASTM D 412		
Tensile Modulus		
ASTM D 412		
Stress at 50 % strain	> 10	MPa
Stress at 100 % strain	> 12	MPa
Stress at 300 % strain	> 27	MPa
Tear Strength	< 120	N/mm ²
ASTM D 624		
Compression set		
ASTM D 395		
23°C, 70 hrs	< 30	%
70°C, 22 hrs	< 50	%
Service temperature	-30 to +100	°C

Disclaimer

The information provided in this data sheet corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to the specific material designated; these data may not be valid for such material used in combination with any other materials, additives or pigments or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since Max Spare cannot anticipate all variations in actual end-use conditions Max Spare makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights.