


General Information

PU - ML is a casted polyurethane elastomer(CPU) with remarkably high abrasion resistance, low compression set, high physical properties and tear strength. Mostly used for U-cups, lip seals, wipers and packings. Products made from ML can be used in hydraulic oil (mineral or vegetable) , water and synthetic ester up to 60°C. Depending on the seal design and the housing conditions seals made of ML can be used up to 400 bar.

Specification

Property	Unit	Value	Standard
Standard color	-	Green	
Durometer hardness	Shore A	95±2	DIN 53505
Durometer hardness	Shore D	48±3	DIN 53505
Density	g/cm ³	1.20	DIN 53479
100% modulus	N/mm ²	>13	DIN 53504
Elongation at break	%	>400	DIN 53504
Tensile strength	N/mm ²	>40	DIN 53504
70°C/24h,20% compression	%	<30	DIN 53517
100°C/24h,20% compression	%	<35	DIN 53517
Tear strength	N/mm ²	>110	DIN 53515
Rebound resilience	%	>45	DIN 53512
Abrasion	mm ³	>18	DIN 53516
Minimum service temperature	°C	-40	-
Maximum service temperature	°C	+110	-

Remark:All test methods and values mentioned above are corresponding to ASTM or DIN standards and have been tested on standardized plates in the laboratory. All tests are made under laboratory conditions.