



P95-G253



This TDS describes a MoS₂ filled Hydrolysis resistant casted polyurethane H-PU compound with good mechanical and chemical resistances. This compound is intended for production of static and dynamic gaskets.

It is recommended in application where reduced friction and poor lubrication is an issue. The material is able to reduce or eliminate the stick-slip effect when it happens.





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PROPERTY	METHOD	UNITS	VALUE
Color			Dark Red
Specific gravity	DIN 53479	g/cm ³	1,16 ±0,03
Hardness	DIN 53505	Sh.A	95 ±2
Tensile strength	DIN 53504	N/mm ²	≥ 45
Elongation	DIN 53504	%	≥ 320
Modulus 100%	DIN 53504	N/mm ²	≥ 10
Tear resistance	DIN 53515	kN/m	≥110
Service temperature (min-max)	/	°C	-30/+125
Compression set			
25% - 24 hrs at 70 °C	DIN 53517	%	≤ 25
25% - 24 hrs at 100 °C	DIN 53517	%	≤ 35

CHEMICAL RESISTANCE GUIDELINE

R = Resistant		NR = Not Resistant	
Chemical group / Media	Rating	Chemical group / Media	Rating
Acids and Lyes (concentrated)	NR	Oxygen (cold)	R
Acids and Lyes (diluted)	R	Sea water	R
Alcohols (concentrated)	NR	Silicone Oils	R
HFA Fluid	R	Solvent	NR
HFB Fluid	R	Steam	NR
HFD Fluid	NR	Vegetable Oils	R
Mineral Oils	R	Water up to 90 °C	R

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