



P57-G261

This TDS describes a MoS₂ filled Hydrolysis resistant casted polyurethane H-PU compound with good mechanical and chemical resistances Higher hardness compared to other H-PU materials

This compound is intended for production of static and dynamic gaskets

Used as a dynamic sealing element in composite seals, easier installing and better sealing performance in combination with less friction and reduced stick-slip effect will be the main advantage of this material





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PROPERTY	METHOD	UNITS	VALUE
Color			Grey
Specific gravity	DIN 53479	g/cm ³	1,17 ±0,03
Hardness	DIN 53505	Sh.D	57 ±3
Tensile strength	DIN 53504	N/mm ²	≥ 45
Elongation	DIN 53504	%	≥ 310
Modulus 100%	DIN 53504	N/mm ²	≥ 13
Tear resistance	DIN 53515	kN/m	≥120
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	%	≤ 30

CHEMICAL RESISTANCE GUIDELINE			
R = Resistant		NR = Not Resistant	
Chemical group / Media	Rating	Chemical group / Media	Rating
Acids and Lyes (concentrated)	NR	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
Oxygen (cold)	R		

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