



## P95-R198

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

**HD SLIPPERS SRL certify that P95-R198 meets the following approvals**

- Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004 on materials and articles intended to come into contact with food
- Commission Regulation (EC) No 2023/2006 of 22 December 2006 on good manufacturing practice (GMP) for materials and articles intended to come into contact with food (Official Journal L 384)
- Commission Regulation (EU) No 10/2011 of 14 January 2011 on plastic materials and articles intended to come into contact with food
- The compound meets the specifications of the positive list to 21 CFR 177.1680 "Polyurethane resins" of the Food and Drug Administration (FDA), USA.
- 3-A Sanitary Standard Class II

**HD SLIPPERS SRL**  
legal representative





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PROPERTY	METHOD	UNITS	VALUE
Color			Red
Specific gravity	DIN 53479	g/cm <sup>3</sup>	1,16 ±0,03
Hardness	DIN 53505	Sh.A	95 ±2
Tensile strength	DIN 53504	N/mm <sup>2</sup>	≥ 50
Elongation	DIN 53504	%	≥ 350
Modulus 100%	DIN 53504	N/mm <sup>2</sup>	≥ 10
Tear resistance	DIN 53515	kN/m	≥ 100
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	Sea water	R
Acids and Lyes (diluted)	R	Silicone Oils	R
Alcohols (concentrated)	NR	Solvent	NR
HFA Fluid	R	Steam	NR
HFB Fluid	R	Vegetable Oils	R
HFD Fluid	NR	Water up to 90 °C	R
Mineral Oils	R		
Oxygen (cold)	R		

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