

**H-PU93A Mokka-MDI** thermoplastic polyurethane with  
resistance to hydrolysis - Mokka MDI  
 Mechanical, Physical and Thermal Properties

properties	condition	standard	unit		unit	
colour				turquoise		turquoise
hardness	20°C	DIN 53 505	Shore A	93 ± 2	Shore A	93 ± 2
hardness	20°C	DIN 53 504	Shore D	47 ± 2	Shore D	47 ± 2
modulus 100%	20°C	DIN 53 504	MPa	≥ 11.6	psi	≥ 1680
modulus 300 %	20°C	DIN 53 504	MPa	≥ 21.7	psi	≥ 3150
tensile strength	20°C	DIN 53 504	MPa	≥ 38	psi	≥ 5510
elongation at break	20°C	DIN 53 504	%	≥ 615	%	≥ 615
tear strength	20°C	DIN 53 515	kN/m	≥ 119	lbf/inch	≥ 590
spec. gravity	20°C	ISO 1183	kg/m <sup>3</sup>	1110	g/cm <sup>3</sup>	1,11
abrasion	23°C	DIN 53 516	mm <sup>3</sup>	50	mm <sup>3</sup>	50
compression set	*	ISO 815	%	≤ 3.5	%	≤ 3.5
compression set	**	ISO 815	%	≤ 6	%	≤ 6
minimum service temperature			°C	-30	°F	-34
maximum service temperature			°C	130	°F	266

\* 24h 70°C 25% def.

\*\* 24h 100°C 25% def.

**Chemical Properties**

hydrolyse Polurethane with system Mokka-MDI

Resistant to oil, hot water, hot air, ozone, synthetic and native esters, low acids

Not resistant to "conc. Acids", conc. lyes, conc. alcohols and aromatic solvents

Foodstuff approval: no