

H-PU57DG Mokka-MDI
Mechanical, Physical and Thermal Properties
**thermoplastic polyurethane with
resistance to hydrolysis - Mokka MDI**

properties	condition	standard	unit		unit	
colour				darkgrey		darkgrey
hardness	20°C	DIN 53 505	Shore A		Shore A	
hardness	20°C	DIN 53 504	Shore D	57 ± 3	Shore D	57 ± 3
modulus 100%	20°C	DIN 53 504	MPa	≥ 14	psi	≥ 2030
modulus 300 %	20°C	DIN 53 504	MPa	≥ 24	psi	≥ 3480
tensile strength	20°C	DIN 53 504	MPa	≥ 39	psi	≥ 5655
elongation at break	20°C	DIN 53 504	%	≥ 600	%	≥ 600
tear strength	20°C	DIN 53 515	kN/m	≥ 122	lbf/inch	≥ 605
spec. gravity	20°C	ISO 1183	kg/m ³	1110	g/cm ³	1,11
abrasion	23°C	DIN 53 516	mm ³	36	mm ³	36
compression set	*	ISO 815	%	≤ 5	%	≤ 5
compression set	**	ISO 815	%	≤ 8	%	≤ 8
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 and a little part of graphite
 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