

Polyurethane Material Technical Data HPU 151 "family"

	According to Shore Hardness Scale	60A	65A	70A	75A	80A	85A	90A	95A	55D
1.	100 % Modulus of elasticity (MPa)	2.0	2.5	3.0	4.5	5.0	6.5	10.0	15.0	17.0
2.	300 % Modulus of elasticity (MPa)	3.5	5.0	7.0	8.5	10.5	13.5	15.0	24.0	26.0
4.	Tensile strength (MPa)	10.5	13.0	15.0	17.0	20.0	22.0	23.0	33.0	35.0
5.	Elongation at break (%)	500	500	470	470	470	450	450	450	450
6.	Fracture toughness of angular bending (N/mm)	32	45	60	65	70	70	110	115	125
7.	DIN deterioration (mm <sup>3</sup> loss)	<30	<20	<20	<20	<21	<22	<30	<40	<40
8.	Rebound Elasticity (%)	75	75	65	55	50	45	40	38	35
9.	Cold Flex Temperature (°C)	-65	-65	-60	-60	-55	-50	-50	-50	-33
10.	Compression & permanent deformation (22Hrs 70°C) (%)	25	25	30	30	30	35	35	35	35