

Polyurethane Material Technical Data DPU 54 "family"

	According to Shore Hardness Scale	556A	60A	65A	70A	75A	80A	85A	90A	95A
1.	100 % Modulus of elasticity(MN /m ²)	1.4	1.8	2.4	3.0	4.0	5.0	6.0	7.5	11.0
2.	300 % Modulus of elasticity(MN /m ²)	2.4	3.5	4.6	6.0	8.5	10.5	12.5	15.5	20.0
4.	Tensile strength (MN /m ²)	20.0	24.0	26.0	28.0	34.0	36.0	36.0	34.0	30.0
5.	Elongation at break (%)	650	600	550	500	500	500	480	480	450
6.	Fracture toughness of angular bending (KN/m)	33	40	46	58	70	75	90	105	110
7.	DIN deterioration (mm ³ loss)	<78	<65	<54	<44	<37	<35	<37	<47	<53
8.	Rebound elasticity (%)	62	55	50	50	45	40	35	35	35
9.	Compression & permanent deformation (22Hrs 70 °C) (%)	35	40	45	45	45	45	45	40	40