

Product				Secutex 55, yellow	secutex 75 transp.	secutex 90, yellow	secutex 90 heat	Secutex ShD70	PE HD	Secutex ShD85	PA 06	POM-C
Quality				Shore A55	Shore A75	Shore A90	Shore A90	Shore D70	Standard	Shore D85	Standard, trocken	Standard
Color				Yellow	transparent	Yellow	Red	Yellow	White	Yellow	White	Whire, light yellow
Material base				Polyäther / Iso	Polyester / Iso	Polyäther / Iso	Polyäther / Iso	Polyäther / Iso		Polyäther / Iso		
Typical properties	Norm	Unit	Unit									
Shore Hardness at 23°C	ISO 868		Shore D	14	25	39	39	70	64	85	82	82
Shore Hardness at 23°C	ISO 868		Shore A	55	75	90	90					
Tensile modulus of elasticity [MPa]	DIN EN ISO 527-2	Temperature=RT, tensile load, sample type 1B, test speed 50mm/min	N/mm ²	2,7 +/- 0,6	15,3 +/- 6,8	13,6 +/- 1,3	21,9 +/- 2,1	1500	1350	2750	3000	2700
Tensile elongation at max. stress [%]	DIN EN ISO 527-2	Temperature=RT, tensile load, sample type 1B, test speed 50mm/min	%	660+/-7	463 +/- 25	221 +/- 17	337 +/- 10					
Max. Voltage [MPa]	DIN EN ISO 527-2	Temperature=RT, tensile load, sample type 1B, test speed 50mm/min	N/mm ²	2,8 +/- 0,1	24,2 +/- 6,8	11,7 +/- 1,1	24,1 +/- 2,3	31	30	63.5	80	65
Elongation [%]	DIN EN ISO 527-2	Temperature=RT, tensile load, sample type 1B, test speed 50mm/min	%	_*	_*	_*	_*					
Yield stress [MPa]	DIN EN ISO 527-2	Temperature=RT, tensile load, sample type 1B, test speed 50mm/min	N/mm ²	_*	_*	_*	_*					
Elongation at break [%]	DIN EN ISO 527-2	Temperature=RT, tensile load, sample type 1B, test speed 50mm/min	%	_**	_**	221 +/- 17	337	90%	>400%	13,5%	70%	27%
Breaking stress [MPa]	DIN EN ISO 527-2	Temperature=RT, tensile load, sample type 1B, test speed 50mm/min	N/mm ²	_**	_**	11,6 +/- 1	24,1 +/- 2,3	24	-	91	125	97
density [g/cm ³]	DIN 53505			1,21	1,22	1,23	1,23	1,13	0,963	1,13	1,14	1,39
Pressure modulus 10% [N/mm ²]	DIN EN ISO 7743	Temperature=RT, pressure load, specimen type cylindrical, test speed 10 mm/min		2,9	12	15	20,3					
Pressure modulus 20% [N/mm ²]	DIN EN ISO 7743	Temperature=RT, pressure load, specimen type cylindrical, test speed 10 mm/min		3,3	14	20,2	23,8					
Rebound elasticity [%]	DIN EN ISO 53512	Temperature=RT, pendulum length 200mm, drop angle 90°, test speed 2 m/sec		68,4	41,53	25,8	20,93					
Tear resistance [kN/m]	i.A. DIN ISO 34-1, B (b)	according to supplier specification			37	23	30					
Abrasion [mg]	DIN EN ISO 4649	Temperature=RT, distance 40m, dmr=189mg, contact pressure 10N		63,6	54,2	179	70,2					