

High Strength Flexible PU Systems

Product	Description	Liquid & Cure Properties					Mechanical Properties			
		Ratio	Mix Viscosity (25°C)	Mix Density (25°C)	Pot Life (200g, 25°C)	Cure Time (25°C)	Hardness	Tensile Strength	Elongation at Break	Tear Strength
		pbw	mPa.s	gcm ⁻³	minutes	hours	Shore A	MPa	%	kN/m
PU 3543	A tough, durable, elastomer of 30 Shore A, used for mould making or prototype parts requiring high tear strength and excellent abrasion resistance.	100 : 100	350 - 550	0.99 - 1.04	22 - 28	24	30 - 35	0.7 - 1.1	100 - 150	3.4 - 3.8
PU 3544	A tough, durable, elastomer of 40 Shore A, used for mould making or prototype parts requiring high tear strength and excellent abrasion resistance.	100 : 100	400 - 600	0.99 - 1.04	16 - 20	12	40 - 45	1.4 - 1.8	140 - 190	5.5 - 7.5
PU 3545	A tough, durable, elastomer of 50 Shore A, used for mould making or prototype parts requiring high tear strength and excellent abrasion resistance.	100 : 100	450 - 650	1.00 - 1.05	12 - 16	6 - 12	48 - 52	1.7 - 2.1	140 - 190	8 - 11
PU 3546	A tough, durable, elastomer of 60 Shore A, used for mould making or prototype parts requiring high tear strength and excellent abrasion resistance.	100 : 100	450 - 650	1.01 - 1.06	9 - 11	1 - 2	60 - 65	3.4 - 3.8	200 - 250	19 - 23
PU 3547	A tough, durable, elastomer of 70 Shore A, used for mould making or prototype parts requiring high tear strength and excellent abrasion resistance.	100 : 100	600 - 900	1.02 - 1.07	7 - 9	1 - 2	70 - 75	5 - 6	200 - 250	32 - 36
PU 3548	A tough, durable, elastomer of 80 Shore A, used for mould making or prototype parts requiring high tear strength and excellent abrasion resistance.	100 : 100	600 - 900	1.02 - 1.07	4 min 30 - 6 min 30	1 - 2	TBC	TBC	TBC	TBC
PU 3551	A tough, durable, elastomer of 85 Shore A, used for mould making or prototype parts requiring high tear strength and excellent abrasion resistance.	100 : 100	600 - 900	1.02 - 1.07	4 min 30 - 5 min 30	1	83 - 87	6 - 7	250 - 300	42 - 47
PU 3549	A tough, durable, elastomer of 90 Shore A, used for mould making or prototype parts requiring high tear strength and excellent abrasion resistance.	100 : 100	600 - 900	1.02 - 1.07	4 min 30 - 5 min 30	1	88 - 92	8 - 8.5	350 - 400	58 - 62
PU 3550	A tough, durable, elastomer of 95 Shore A, used for mould making or prototype parts requiring high tear strength and excellent abrasion resistance.	100 : 100	600 - 900	1.02 - 1.07	4 min - 4 min 30	1	93 - 97	9 - 10	340 - 400	65 - 75