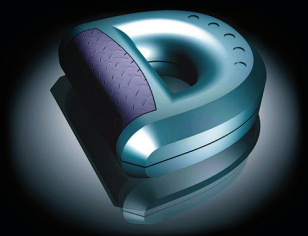
FLEXIBLE (30A TO 95A SHORE)

Tough, durable, elastomer in a range of Shore A Hardnesses, used for mould making or prototype parts requiring high tear strength and excellent abrasion resistance.



Drumlord Limited
Prototyping Technologies

APPLICATIONS:

- Gaskets & Seals
- Keypads
- Over-moulding
- General rubber/silicone applications

PROPERTIES:

- Tough, Durable Elastomers in a range of Shore A hardnesses
- Pigmentable
- High Tear Strength
- Excellent Abrasion Resistance

LIQUID & CURE PROPERTIES

	PU3543	PU 3544	PU 3545	PU 3546	PU 3547	PU 3548	PU 3551	PU 3549	PU 3550	UNIT
Mix Density (25°C)	0.99-1.04	0.99-1.04	1.00-1.05	1.00-1.06	1.02-1.07	1.02-1.07	1.02-1.07	1.02-1.07	1.02-1.07	gcm^{-3}

MECHANICAL PROPERTIES

	PU3543	PU 3544	PU 3545	PU 3546	PU 3547	PU 3548	PU 3551	PU 3549	PU 3550	UNIT
Hardness	30-35	40-45	48-52	60-65	70-75	80-85	83-87	88-92	93-97	Shore A
Tensile Strength	0.7-1.1	1.4-1.8	1.7-2.1	3.4-3.8	5-6	5.5-6.5	6-7	8-8.5	9-10	MPa
Elongation at Break	100-150	140-190	140-190	200-250	200-250	240-290	250-300	350-400	340-400	%
Tear Strength	3.4-3.8	5.5-7.5	8-11	19-23	32-36	38-43	42-47	58-62	65-75	kN/m

The information in this data sheet, as supplied by the material manufacturers, is provided for general guidance only, in good faith and without warranty. The performance characteristics may vary depending on the application, operating conditions or other materials in combination and it is the responsibility of the customer to determine the suitability of the product for its end use.

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