

Semi-finished product range

Cast and moulded parts

Elastomer spring elements

Snow plow blades

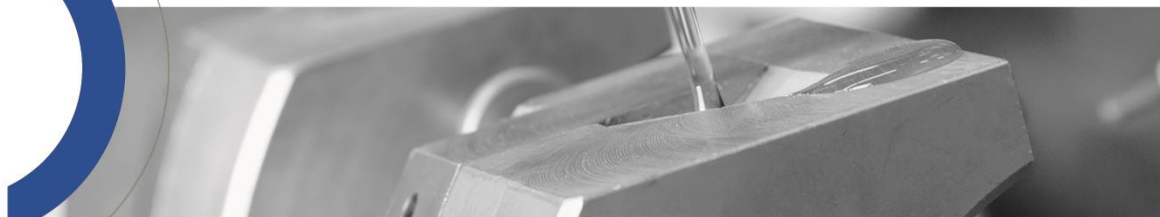
Clutch packages

Protective jaws

PUR metal compounds

Concrete-wear parts

Wheels, rollers and mills



Technisches Datenblatt Gieß- und Formteile | Technical Data Sheet Castings and Mouldings

Elastomer types

Polyurethane D44 (PU 70 / PU 80 / PU 90), Polyester-Polyol + MDI

Polytan D15 (PO 70)

Original Vulkollan® D15 (VU 70 / VU 80 / VU 90), Polyester-Polyol + NDI

Measured at normal relative humidity and room temperature (standard climate). The values specified are based on individual measurements and therefore can only represent guide values.

Tested at standard room climate. Individual measurements representing only approximate values.

Eigenschaften properties	Prüfvorschrift test specification	Maßeinheit unit of measurement	PU 70	PU 80	PU 90	PO 70	VU 70	VU 80	VU 90
Härte hardness	DIN 53505	Shore A+/-5	70	80	90	70	70	80	90
Farbe color			Brown			Brown	Natural		
Temperaturbereich °C temperature range			-10 / +60			20 / +80	-15/ +80		
Reißfestigkeit tear resistance	DIN 53504	MPa	37.6	41	45	45	40	46	47
Reißdehnung elongation at break	DIN 53504	%	503	549	551	560	650	650	680
Spannung bei 100% Dehnung stress at 100% strain	DIN 53504	MPa	2.6	4.8	6.3	2.8	2.5	4.8	6.6
Spannung bei 300% Dehnung Stress at 300% strain	DIN 53504	MPa	6	9.5	14	5.5	4	7.9	10.2
Stoßelastizität rebound resilience	DIN 53512	%	43	49	40		45	55	55
Weiterreißwiderstand tear propagation resistance	DIN 53507	KN/m	15	35	41		15	40	55
Abrieb abrasion	DIN 53516	mm ³	30	29	32	40	50	33	42
Druckverformungsrest 72h/23° compression set	DIN 53517	%				8			
Druckverformungsrest 70h/22° compression set	DIN 53517	%	15	18	23		9.4	10	11
Druckverformungsrest 24h/70° compression set	DIN 53517	%	25	30	35		15	20	20
Dichte density	DIN 53479	g/cm ³	1.24	1.24	1.25	1.23	1.25	1.26	1.26

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Important information: The details above are based on the present state of our knowledge and do not represent any assurance of properties. It is to be observed in particular, that the technical values are based on the testing of standard bodies and on individual measurements. They are therefore only limitedly transferrable and do not release the users of our products from carrying out their own testing for suitability for the intended purpose. Application and processing of the products takes place outside our control and therefore lies exclusively within the scope of responsibility of the user.

If differences of opinion should arise as to the interpretation of the forgoing rules the German text shall be deemed authoritative.