

Erlan® PUR

Erlan® PUR is a standard polyurethane and is NOT suitable for higher pressure.
 Unsuitable in humid and wet conditions, as also the action of most chemicals.
 Is suitable for contact with "dry foods".

For this you might consider to use it for sheets, bars, wheels, rollers, coating of steel strips and moulded products.

Hardness shore	°A	35°	45°	55°	60°	70°	80°	90°	95°
10% modules	MPa								
100% modules	MPa	0.85	1.1	1.7	2.1	3.5	4.7	9.3	10.0
200% modules	MPa								
300% modules	MPa	1.25	1.7	3.1	4.3	7.3	9.6	16.4	16.4
Tensile strength	MPa	15	18	25	30	34	37	38	33
Elongation at break	%	700	700	680	650	630	620	600	550
Tear strength (without nick)	KN/m	20	26	39	52	70	88	125	125
Tear strength (with nick)	KN/m								
Resilience	%	70	60	55	52	49	47	40	30
Abrasion loss	mm ³ loss	<35	<30	<25	<25	<25	<20	<25	<30
Compression set method B*	%	20	20	25	25	30	30	30	30
Hardness at -5°C	Shore A								
Hardness at +80°C	Shore A								
Min. Temp.	°C	-40	-40	-40	-40	-40	-40	-40	-40
Max. temp.	°C	70	70	70	70	70	70	70	70
Specific gravity	gr/cm ³	1.18	1.22	1.25	1.28	1.30	1.30	1.31	1.32

* 25% deflexion 22 hours at 70°C

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This table is a valuable help in the choice of a material. The data listed here fall within the normal range of product properties. All data and descriptions are of an indicative nature only. Despite the constant care and attention of ERIKS to compile this information, ERIKS can not guarantee the completeness, accuracy and topicality of the information. This information is intended for general information purposes only and is not intended as advice. ERIKS is not liable for any damages resulting from the use of this information, including damage caused by inaccuracy or incompleteness of the information.

For more information, a quotation or an order please directly contact one of our specialists +31(0)88 855 81 40

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