Polystrat NSE15-01

Polystrat NSE15-01 is a coated steel for gasket applications.
NBR-coated stainless steel for gasket applications that require good temperature resistance and excellent recovery.



Basic composition	NBR/stainless steel/NBR
Surface treatment	Anti-Stick
Colour	black

Roll	Roll length up to 500 m
Width	Up to 500 mm

Composition and tolerances		
	NBR	0.025 ± 0.005 mm
	Steel, 1.4310	0.150 ± 0.020 mm
	NBR	0.025 ± 0.005 mm
	Total	0.200 ± 0.030 mm

Industry / Application
Automotive / General Industry / Pumps / Compressors

Typical technical data and properties for KLINGER® Polystrat

Rubber hardness	Shore A ISO 48-4	69
Rubber tensile strength	ISO 37	8.7 MPa
Rubber ultimate elongation	ISO 37	351%
Rubber compression set	ISO 815-1	34%
Rubber to metal bond integrity	KLINGER Scratch test	Pass
	MEK rub test 10 min	Pass
Hot piston test	200°C/42 MPa/2 min	Pass
Ageing properties	IRM 903 oil ISO 1817, 72 h, 100°C	
Hardness Shore A	ISO 48-4	-5
Tensile Strength	ISO 37	-15%
Ultimate elongation	ISO 37	-36%
Compression set	ISO 815-1	-50%
Chemical resistance of the rubber layer	No embrittlement and delamination	
Fuel B 72 h RT		Pass
FAM A 48 h, RT		Pass
Diesel fuel 72 h, RT		Pass
Oil IRM 903 72 h, RT		Pass
Motor oil SAE 15W-40 24h, 125°C		Pass
Brake fluid DOT 4 72 h, 100°C		Pass
Coolant Glysantin® 30 (50:50) 125 h, 125°C		Pass

All information is based on years of experience in production and operation of sealing elements. However, in view of the wide variety of possible installation and operating conditions one cannot draw final conclusions in all application cases regarding the behaviour in gasket joint. The data may not, therefore, be used to support any warranty claims. This edition cancels all previous issues. Subject to change without notice.

KLINGER Industrial Products India Pvt. Ltd. #6 Tarana, 1st Floor, GoodEarth Malhar, Kambipura, Kengeri, Bengaluru 560074, Karnataka, India.
Tel +91 8618523021 / +91 80 2990 9572 / e-mail: info@klinger.in