

Polystrat NSE25-01 is a coated steel for gasket applications.

NBR-coated stainless steel for gasket applications with good resistance against mineral and synthetic oils



Basic composition	NBR/stainless steel/NBR
Surface treatment	PTFE
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	0.250 ± 0.012 mm
	NBR	0.025 ± 0.005 mm
	Total	0.300 ± 0.022 mm

Industry / Application

Automotive / General Engines

Typical technical data and properties for KLINGER® Polystrat

Max. Creep relaxation	ASTM F38	12%
Rubber hardness	Shore A ISO 7619-1	70-72
	IRHD ISO 48	68-70
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
Agein properties	IRM 903 oil ISO 1817, 72 h, 100°C	
Hardness Shore A	ISO 7619-1	-4%
Tensile Strength	ISO 37	+7%
Ultimate elongation	ISO 37	-38%
Weight	Increase	+5.8%
Volume	Increase	+8.6%
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.

