

SEACO TSG-40GF combines excellent thermal and chemical resistance with outstanding mechanical properties, especially bolt torque retention. Thus, **SEACO TSG-40GF** is particularly suited for gas and steam supplies, heating systems, pumps and compressors.

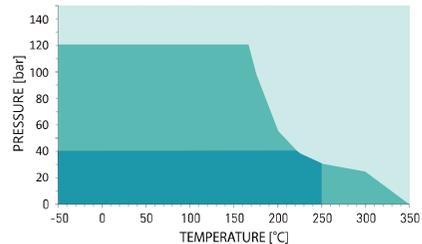
PROPERTIES

SUPERIOR	MECHANICAL RESISTANCE	THERMAL RESISTANCE	SEALABILITY PERFORMANCE	CHEMICAL RESISTANCE
EXCELLENT				
VERY GOOD				
GOOD				
MODERATE				

Composition	Glass fibers, aramid fibers, inorganic fillers, NBR binder. Optional steel wire mesh or expanded steel insert on request
Color	Greenish-blue
Approvals	DIN-DVGW DIN 3535-6
	DVGW VP 401
	TZW ELL
	WRAS

P-T DIAGRAM

EN 1514-1, Type IBC, PN 40, DIN 28091-2/3.8, 2.0 mm



- General suitability - Under common installation practices and chemical compatibility.
- Conditional suitability - Appropriate measures ensure maximum performance for joint design and gasket installation. Technical consultation is recommended.
- Limited suitability - Technical consultation is mandatory.

Waranty exclusion

In view of the variety of different installation and operation conditions and application as well as process engineering options, the information given in this datasheet can only provide approximate guidance and cannot be used as basis for warranty claims.

APPROPRIATE INDUSTRIES & APPLICATIONS



TECHNICAL DATA Typical values for a thickness of 2 mm			
Density	DIN 28090-2	g/cm ³	1.8
Compressibility	ASTM F36J	%	7
Recovery	ASTM F36J	%	55
Tensile strength	ASTM F152	MPa	11
Stress resistance	DIN 52913		
16 h, 50 MPa, 175° C		MPa	38
16 h, 50 MPa, 300° C		MPa	33
Specific leak rate	DIN 3535-6	mg/(s*m)	0.03
Thickness increase	ASTM F146		
Oil IRM 903, 5 h, 150° C		%	3
ASTM Fuel B, 5 h, 23° C		%	5
Compression modulus	DIN 28090-2		
At room temperature: ε kws		%	6.9
At elevated temperature: ε wrw/200° C		%	7.9
Percentage creep relaxation	DIN 28090-2		
At room temperature: ε kws		%	3.3
At elevated temperature: ε wrw/200° C		%	1.2
Max. operating conditions			
Peak temperature		°C/°F	440/824
Continous temperature		°C/°F	350/662
- with steam		°C/°F	250/482
Pressure		bar/psi	120/1740