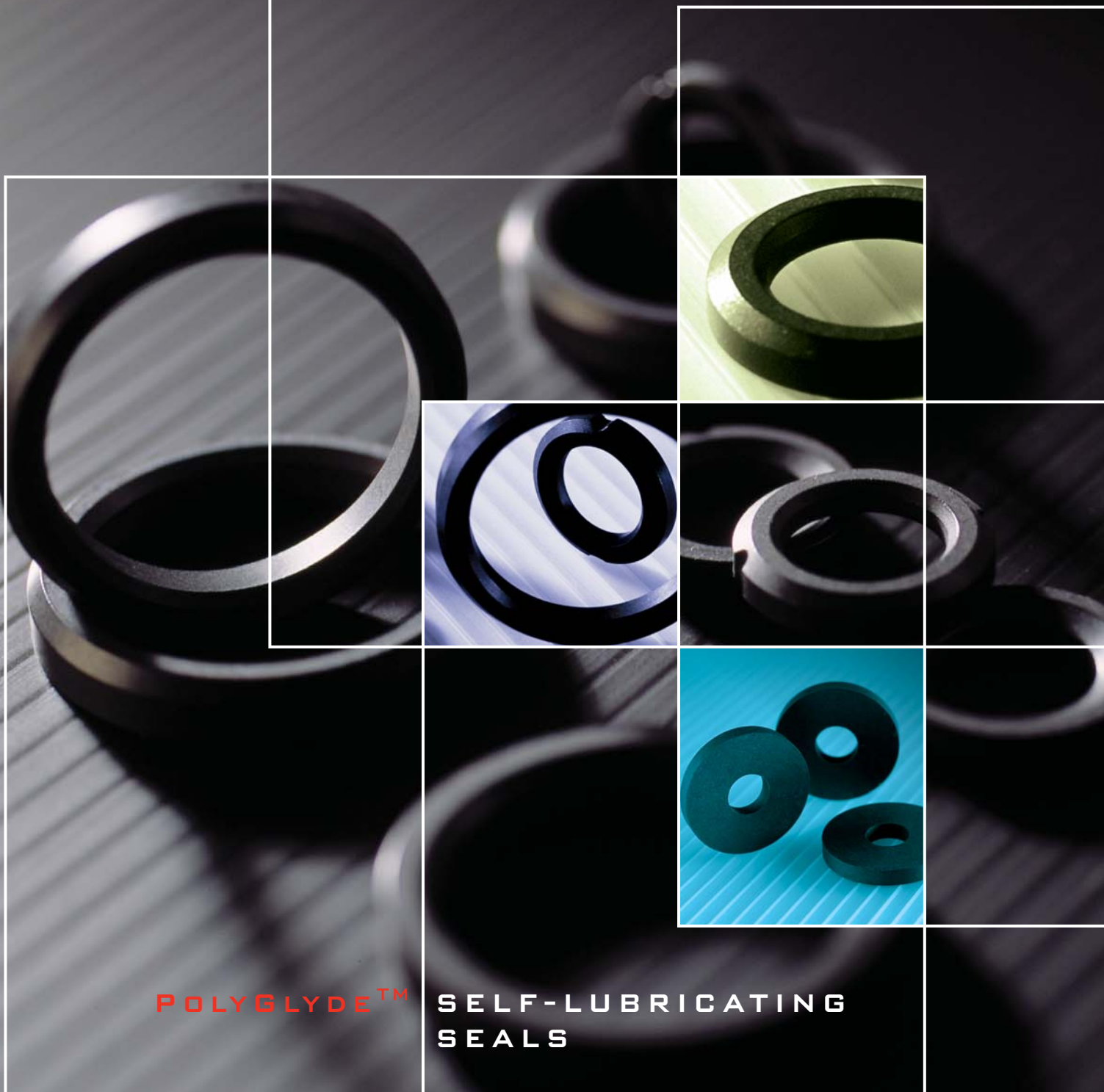
CoorsTek
Amazing Solutions.®



PolyGlyde™ Self-Lubricating Seals

www.coorstek.com

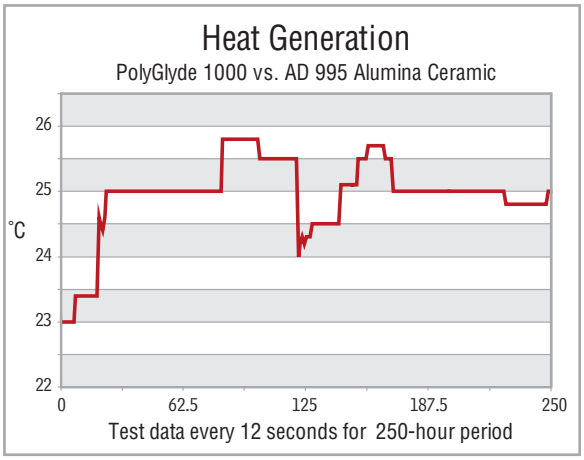
NEW POLYGLYDE™ SELF-LUBRICATING SEALS OFFER SUPERIOR LONGEVITY AND PERFORMANCE

Sealing Experts Introduce Revolutionary Material
CoorsTek, a long-standing authority on seals and hard-face seal components for a variety of severe-service environments, introduces a completely new line of seals – PolyGlyde™ self-lubricating seals.

Industry-Leading Performance
PolyGlyde seals offer exceptionally low heat generation in high-friction and high-stress environments. These seals provide vastly superior performance over traditional carbon materials:

- Runs much cooler – even in dry-running situations
- Leak-tight, impervious material
- Greater durability
- Less wear debris – runs much cleaner
- Broader resistance to chemical attack
- Suitable for fluid and gas applications
- Lapping of seal face not necessary
- Exceptionally stable

Hands-on Service Professionals
Whether you need one or one hundred thousand seals, CoorsTek offers exceptionally fast lead times and provides expert assistance with material selection to match your severe-service application.



Quick-Turn Prototyping and Stock Shapes
CoorsTek stocks several standard seal configurations and also provides rapid-turn custom or prototype seals.

Take PolyGlyde for a Test Drive!
We're anxious to show you the benefits of this revolutionary new material. Contact our sealing materials experts today for more information at **501.778.6665**.

Property	Units	Test	PolyGlyde™ Self-Lubricating Seals			
			PolyGlyde 1000	PolyGlyde 2000	PolyGlyde 3000	PolyGlyde 5400
Color	–	–	black	black	black	black
Specific Gravity	–	ASTM-D792	2.15	2.13	2.10	2.01
Flexural Strength	psi	ASTM-F417	2600	2000	2200	2500
Tensile Strength	psi	ASTM-D1457	3000	2750	2250	1800
Compressive Strength	psi	ASTM-C773	6200	5800	6100	7000
Temperature Limit	°F (°C)	–	500 (260)	500 (260)	500 (260)	500 (260)
Flexural Modulus	psi	ASTM-D790	0.9	1.2	1.25	1.7
Elongation	%	ASTM-D1457	250	225	175	60
Deformation Under Load Total @ 78° F, 2000 psi, 24 hours Total @ 500° F, 600 psi, 24 hours	%	ASTM-D621	 11 –	 12.2 20.5	 10.2 18.3	 5.9 9.9
Thermal Conductivity	BTU • in/h • ft² • °F	–	2.8	3.9	4.8	5.6
Coefficient of Thermal Expansion	in/in • °F	ASTM-D696	7.5	10	9.9	8.0

Quick-Turn Prototyping and Manufacturing

Note: The chart is intended to illustrate typical properties. Engineering data is representative. Property values vary somewhat with method of manufacture, size, and shape of part. This data is not to be construed as absolute and does not construe a warranty for which we assume legal responsibility.

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