



Our Know-how – Your Advantage

With HIPEX® materials from KRAIBURG TPE, engines, drive or cooling units of all kinds benefit from temperature resistance and optimized behavior to fuels and lubricants.

- Alternatives to conventional rubber materials
- Thermoplastically processable
- Operating temperature depending on formulation 120 °C, 140 °C and up to 150 °C
- Hardness range 55 to 80 Shore A
- Multi-component injection molding with adhesion modifications to PA, PBT or PP
- Recyclable
- Available in natural und black colors
- Resistance to oils, greases, and lubricants

Oliver Zintner CEO KRAIBURG TPE

“Our HIPEX® technology bridges the gap between TPE and rubber materials: thermoplastic processing and outstanding performance.”

Typical Applications

- Seals
- Mechanical components
- Fastenings
- Closures
- Flexible connections
- Damping components
- Seals for housings



Picture: ©A2Mac1



Technical Data

		HX7IDZ	HX8IDZ	STX3104/ 101	STX9436/ 106
Hardness	Sh A	70	72	68	67
Density	g/cm ³	1.120	1.105	1.041	1.024
Tensile Strength	MPa	6.0	6.0	5.5	7.0
Elong. at Break	%	300	300	320	320
CS 24h/70°C	%	-	50	45	39
CS 24h/100°C	%	57	55	45	36
CS 24h/120°C	%	62	60	50	40
CS 24h/150°C	%	80	73	70	-
Adhesion	N/mm	PBT: 4.2 (B/D)	PBT: 3.6 (D)	PA6: 5.2 (D)	PP: 5.0 (D)
Resistance		Gear oils, lubricants	Gear oils, lubricants	Oils, lubricants	Oils, lubricants
Class. acc. to EN ISO 18064		TPV-(EVM+TPC)	TPV-(EVM+TPC)	TPV-(EVM+PP)	TPV-(EVM+PP)
Special feature		Resistance up to 150 °C	Optimized processing in injection molding, resistance up to 150 °C	Extrudability and best CS above 120 °C	Extrudability and best CS above 120 °C

TALK TO OUR EXPERTS!

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