



### 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, lubricants, and coolants

### 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	STX3104/103	STX3104/101	STX9436/106
Hardness	Sh A	70	60	68	67
Density	g/cm <sup>3</sup>	1.120	1.038	1.041	1.024
Tensile Strength	MPa	6.0	4.5	5.5	7.0
Elongation at Break	%	300	360	320	320
Tear Resistance	N/mm	19.0	14.0	16.0	16.0
CS 24h/70°C	%	-	46	45	39
CS 24h/100°C	%	57	40	45	36
CS 24h/120°C	%	62	42	50	40
CS 24h/150°C	%	80	69	70	-
Adhesion (Fraction pattern)	N/mm	PBT: 4.2 (B/D)	PA6: 3.0 (D)	PA6: 5.2 (D)	PP: 5.0 (D)
Resistance		Gear oils, lubricants	Oils, lubricants, coolants water-glycol based	Oils, lubricants, coolants water-glycol based	Oils, lubricants, coolants water-glycol based
Classification acc. to EN ISO 18064		TPV-(EVM+TPC)	TPV-(EVM+PP)	TPV-(EVM+PP)	TPV-(EVM+PP)

### TALK TO OUR EXPERTS!

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