



### 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 oil 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

### Christoph Raue Development Automotive & Industry

“HIPEX® bridges the gap between TPE and rubber materials: thermoplastic processing and outstanding performance. The product has proven itself for years with customers looking for solutions for applications involving high temperatures. We see excellent oil resistance here.”

### Typical Applications

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



Picture: ©A2Mac1

### Technical Data

		HX6IDZ	HX6ICZ	STX3104/101	STX9436/106
Hardness	Sh A	60	60	68	67
Density	g/cm <sup>3</sup>	1.100	1.095	1.041	1.024
Tensile Strength	MPa	5.5	5.5	5.5	7.0
Elong. at Break	%	300	320	320	320
CS 24h/70°C	%	-	40	45	39
CS 24h/100°C	%	55	44	45	36
CS 24h/120°C	%	60	55	50	40
CS 24h/150°C	%	75	72	70	-
Adhesion	N/mm	PBT: 6.3	PBT: 5.9 (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!

**KRAIBURG TPE GMBH & CO. KG - EUROPE, MIDDLE EAST, AFRICA**

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