

HIPEX® HX8ICN (Series: HTR/OR)

Thermoplastic Elastomer

KRAIBURG TPE

Message:

The HTR/OR Series is your material solution for applications requiring high temperature and oil resistance.

Typical applications

Closures

Fastenings

Flexible Connections

Seals

Material advantages

Excellent heat resistance up to 150 °C

Excellent resistance against motor and gearbox oil

For injection molding

Recyclable

General Information			
Features	Recyclable materials		
	Heat resistance, high		
	Oil resistance		
Uses	Fasteners		
	Connector		
	Seals		
	Shell		
Appearance	Natural color		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	72		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (Yield)	6.00	MPa	ISO 37
Tensile Elongation ² (Break)	250	%	ISO 37
Tear Strength	19	kN/m	ISO 34-1
Compression Set			ISO 815
23°C, 72 hr	31	%	ISO 815
70°C, 24 hr	55	%	ISO 815
100°C, 24 hr	59	%	ISO 815
120°C, 24 hr	69	%	ISO 815
Injection	Nominal Value	Unit	
Drying Temperature	105	°C	

Drying Time	2.0	hr
Suggested Max Moisture	0.050	%
Rear Temperature	210	°C
Middle Temperature	220	°C
Front Temperature	230	°C
Mold Temperature	40.0 - 60.0	°C
Injection Pressure	120 - 200	MPa
Back Pressure	2.00 - 5.00	MPa

Injection instructions

Hot Runner Temperature: 180 - 220°C The runner should be empty after a maximum of 2 - 3 shots.

NOTE

1. Type S2, 200 mm/min
2. Type S2, 200 mm/min

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