

HIPEX® STX3105/102

TPE

KRAIBURG TPE GmbH & Co. KG

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	4.5	MPa	ISO 37
Strain at break	280	%	ISO 37
Compression set at 70 °C, 24h	37	%	ISO 815
Compression set at 100 °C, 24h	44	%	ISO 815
Tear strength	16	kN/m	ISO 34-1
Shore A hardness	67	-	ISO 7619-1

Other properties	Value	Unit	Test Standard
Density	1010	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	105	°C	-
Pre-drying - Time	2	h	-
Processing humidity	≤0.1	%	-
Melt temperature	180 - 220	°C	-
Mold temperature	40 - 60	°C	-
Zone 1	170	°C	-
Zone 2	190	°C	-
Zone 3	210	°C	-
Injection pressure	120 - 200	MPa	-
Back pressure	2 - 10	MPa	-
Holding pressure	48 - 120	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Black

Features

Good Adhesion, Thermal Stability

Chemical Resistance

Grease Resistance, Oil Resistance

Regional Availability

North America, Europe, Asia Pacific