

Product Texts

DESCRIPTION

Elastollan 1190 A FHF is a halogen free, flame retarded polyether based TPU

SPECIAL PROPERTIES

excellent resistance to hydrolysis and good flexibility at low temperature, resistance to microbiological attack, good wear performance, high tensile strength, good damping behavior

TYPICAL APPLICATIONS

cable sheathing, plugs, profiles,

OTHER HINTS

predrying: 3h at 90 - 110°C (air circulating oven) or 85°C (dehumidified air dryer),
max. content of humidity before processing: 0,02%
annealing: 20 h at 100°C in order to get optimum properties

CHEMICAL RESISTANCE

For detailed information on the chemical resistance of our materials refer to this [list of chemical resistance](#)

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Stress at 100% elongation	8.4	MPa	ISO 527
^[C] Stress at 300% elongation	10.5	MPa	ISO 527
^[C] Stress at break TPE	25	MPa	ISO 527
^[C] Strain at break TPE	>300	%	ISO 527
^[C] Compression set at 23 °C, 24h	26	%	ISO 815
^[C] Compression set at 70 °C, 24h	43	%	ISO 815
^[C] Tear strength	60	kN/m	ISO 34-1
^[C] Abrasion resistance	30	mm ³	ISO 4649
^[C] Shore A hardness	90	-	ISO 7619-1

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Density	1250	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding, Profile Extrusion

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa