

smartLite® PF 1560 TPU

Lightweight, responsive, durable

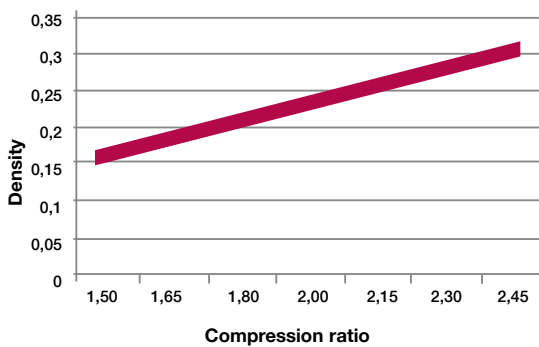


Performance

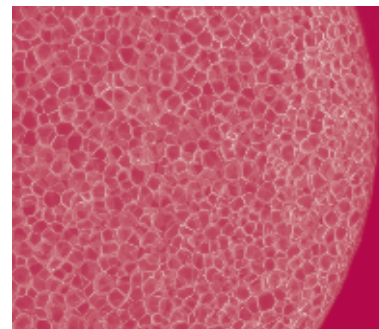
Property	Value
Bulk density	0,15 g/cm ³
Typical diameter	4 - 8 mm
Physical form	Partical foam - white

Typical processing	Value
Temperature	140°C
Pressure	2,5 - 4 bar
Time and post treatment	Temper 24h
Shrinkage	<4%

Density of molded parts in relation to the applied compression ratio



smartLite® PF 1560 TPU microscopy of the cells



Typical molded properties	Norm	Unit	Value	Value	Value
Density	ISO 845	g/cm³	0,20	0,25	0,30
Pendulum rebound	DIN 53512	%	50	52	52
Tensile strength	ISO 1798	kPa	1000	1200	1400
Elongation at break	ISO 1798	%	110	100	90
Compression set (50%, 23°C, 22 hours)	ISO 1856	%	<10	<10	<10
Compression stress	ISO 844	kPa			
@10% compression			30	40	50
@25% compression			100	140	180
@50% compression			300	350	400
Dimensional stability under heat	ISO 2796	%			
4 days @60°C			n.m.	<2	n.m.
4 days @110°C			n.m.	<6	n.m.
Water uptake (24 hours at 23°C)	Huntsman	%	<1	<1	<1

For more information about smartLite® PF 1560 TPU, contact our regional teams of experts:

EUROPE:
TPU_EAME@huntsman.com

AMERICAS:
TPU_AMERICAS@huntsman.com

ASIA:
TPU_APAC@huntsman.com