

LAPRENE® 83E29ZA80 NERO - SEBS

Physical properties	Value	Unit	Test Standard
Density	75.9	lb/ft ³	ISO 1183

Mechanical properties (TPE)	Value	Unit	Test Standard
Tensile stress at 100% strain	464	psi	ISO 37
Tensile stress at 300%, perpendicular	653	psi	ISO 37
Compression Set under constant strain at 70 °C, 24h	56	%	ISO 815
Tensile strain at break (TPE)	698	%	ISO 37
Tensile stress at break (TPE)	2020	psi	ISO 37
Shore A hardness-TPE, 3s	83	-	ISO 868
Tear strength	257	lb/in	ISO 34-1
Tensile set (elastomers)	14	%	ASTM D412

Typical injection moulding processing conditions

Temperature	Value	Unit
Zone1 temperature	329 - 347	°F
Zone2 temperature	347 - 365	°F
Zone3 temperature	356 - 374	°F
Nozzle temperature	374 - 392	°F
Mold temperature	68 - 104	°F

Typical extrusion processing conditions

Temperature	Value	Unit
Zone 1 temperature	329 - 347	°F
Zone 2 temperature	347 - 365	°F
Zone 3 temperature	356 - 374	°F
Die head temperature	374 - 392	°F

Other text information

Pre-drying

Drying not necessary

Longer pre-drying times/storage

Laprene must be stored indoors in the original, unopened and undamaged packaging, away from direct sunlight, moisture and heat.