

Plastcom PLASTALEN® TPU N 85 LTS TPU

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

Modified TPU. Use in all industry sectors. Delivered in the black. Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plastcom-PLASTALEN-TPU-N-85-LTS-TPU.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	STN EN ISO 1183-1
Melt Flow	10 g/10 min @Load 2.16 kg, Temperature 200 °C	10 g/10 min @Load 4.76 lb, Temperature 392 °F	STN EN ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	45.0 MPa	6530 psi	STN EN ISO 527-2
Elongation at Break	750 %	750 %	STN EN ISO 527-2
Tensile Modulus	0.350 GPa	50.8 ksi	STN EN ISO 527-2
Flexural Strength	14.0 MPa	2030 psi	STN EN ISO 178
Flexural Modulus	0.160 GPa	23.2 ksi	STN EN ISO 178
Charpy Impact Unnotched	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	STN EN ISO 179
	NB @Temperature -20.0 °C	NB @Temperature -4.00 °F	STN EN ISO 179
Charpy Impact, Notched	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	STN EN ISO 179
	NB @Temperature -20.0 °C	NB @Temperature -4.00 °F	STN EN ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	140 °C	284 °F	STN EN 11357-1
Vicat Softening Point	130 °C	266 °F	STN EN ISO 306

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	180 - 230 °C Metric	356 - 446 °F English	Comments
Mold Temperature	30.0 - 50.0 °C	86.0 - 122 °F	
Drying Temperature	80.0 °C @Time 21600 sec	176 °F @Time 6.00 hour	
Moisture Content	<= 0.20 %	<= 0.20 %	STN EN ISO 3344
Injection Pressure	60.0 - 100 MPa	8700 - 14500 psi	

Descriptive Properties	Value	Comments
Color	Black	

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