

Technical Data Sheet

Product code TPU046BL-SP-R

Elastogeo Granule made from min.95% recycled thermoplastic elastomer byproducts in conformity with art.5 - Directive 2018/851 – Amendment of Directive 2008/98/EC

ELASTOGEO TPU046BL-SP-R is a recycled TPU base polyester. The color of the granules is black. 95% min. recycled.

Application: Extrusion, injection moulding, compounding

TEST REPORT N. 24/091

<i>Property</i>	<i>Unit</i>	<i>Normative</i>	<i>Value</i>
Fluidity Index - 190 °C/2,16 kg MVR Melt Volume Rate	cc/10'	ISO 1133	1,2
Fluidity Index - 190 °C/2,16 kg MFR Melt Flow Rate	g/10'	ISO 1133	1,2
Fluidity Index - 190 °C/8,7 kg MVR Melt Volume Rate	cc/10'	ISO 1133	11,2
Fluidity Index - 190 °C/8,7 kg MFR Melt Flow Rate	g/10'	ISO 1133	12,1
Hardness Shore A (15")	---	DIN 53505	85
Tensile Strength at 20 % of elongation	MPa	DIN 53504-S1	3,9
Tensile Strength at 100 % of elongation	MPa	DIN 53504-S1	10,7
Tensile Strength at 200 % of elongation	MPa	DIN 53504-S1	7,4
Tensile Strength at 300 % of elongation	MPa	DIN 53504-S1	14,0
Tensile elongation at break	%	DIN 53504-S1	511,2
Tensile Strength at break	MPa	DIN 53504-S1	21,6

ELASTOGEO TPU046BL-SP-R has to be dried prior to processing.

Processing moisture shall not exceed 0,02%.

A drying temperature of 80°C and a drying time of at least three hours is recommended.

Typical packaging : Big Bags with a net weight of 1250 kg

ELASTOGEO TPU046BL-SP-R, is a recycled TPU grade.

All data shown above are typical data for this grade. Guarantees cannot be derived from this information.

The given values have to be regarded as approximate data and it is the responsibility of the user to qualify the material for his application.

(Giaveno, 05.06.2024)

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