

Technical Data Sheet

Description ELASTOGEO

Product code TPU-M043R

ELASTOGEO TPU-M043R is a recycled TPU base polyether . Excellent resistance to hydrolysis and good flexibility at low temperature ,high tensile strength , post industrial recycling (PIR). The color of the granules is black. 95% min. recycled.

Application: Extrusion, injection moulding, compounding

Property	Unit	Normative	Value
Fluidity Index - 190 °C/2,16 kg MVR Melt Volume Rate	cc/10'	ISO 1133	1,5
Fluidity Index - 190 °C/2,16 kg MFR Melt Flow Rate	g/10'	ISO 1133	1,6
Fluidity Index - 190 °C/8,7 kg MVR Melt Volume Rate	cc/10'	ISO 1133	22,8
Fluidity Index - 190 °C/8,7 kg MFR Melt Flow Rate	g/10'	ISO 1133	25,2
Hardness Shore A (15")	---	DIN 53505	92
Tensile Strength at 20 % of elongation	MPa	DIN 53504-S1	7,2
Tensile Strength at 100 % of elongation	MPa	DIN 53504-S1	10,7
Tensile Strength at 200 % of elongation	MPa	DIN 53504-S1	13,9
Tensile Strength at 300 % of elongation	MPa	DIN 53504-S1	17,5
Tensile elongation at break	%	DIN 53504-S1	422,2
Tensile Strength at break	MPa	DIN 53504-S1	23,1

ELASTOGEO TPU-M043R 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 1000 kg

ELASTOGEO TPU-M043R, 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, 12.09.2023)

For further information:

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