

Preliminary Technical Data Sheet

Technical Information: TXR Recycled PA6

Overview: TXR® PA6 is a recycled PA6 compound designed for injection molding. It is ideal for general purpose and engineering parts requiring a balanced combination of mechanical performance and processability.

Formulation: (95% r-PA6 from textile waste)

TXR® PA6 when properly processed exhibits:

Properties	Unit	Standard	TXR® PA6
Density	gr/cm ³	ISO 1183	1.11
Tensile Modulus (1 mm/min)	MPa	ISO 527	2720
Yield Strength (50 mm/min)	MPa	ISO 527	56
Elongation @ yield (50 mm/min)	%	ISO 527	3.6
Stress @ Break (50 mm/min)	MPa	ISO 527	48
Elongation @ Break	%	ISO 527	29
Izod Impact Notch	J/m	ASTM D256	47 C
Izod Impact Un-Notch	J/m	ASTM D256	1076 C