

Preliminary Technical Data Sheet

Technical Information: TXR Recycled PA6-35%GF with Heat and/or UV resistant Compound

Overview: TXR® PA6-35%GF is a recycled PA6 with 35% glass fibers 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® PA6-35%GF when properly processed exhibits:

			Heat and UV resistant formulation			Heat resistant formulation	
			Dry as Mold (DAM)	After 1000 hr. @ UV	After 2000 hr. @ 150°C	Dry as Mold (DAM)	After 2000 hr. @ 150°C
Properties	Unit	Standard	TXR® PA6-35%GF_HS+UV			TXR® PA6-35%GF_HS	
Tensile Modulus	MPa	ISO 527	9,721	5578	9536	9539	9695
Yield Strength	MPa	ISO 527	130	85	106	126	76
Stress at Break	MPa	ISO 527	130	83	106	126	108
Elongation @ Yield	%	ISO 527	2.4	3.9	1.3	2.3	0.9
Elongation @ Break	%	ISO 527	2.5	5.2	1.3	2.3	1.4
Izod Impact Notch	J/m	ASTM D256	95 C	110 C	79 C	82 C	73 C
Izod Impact Un-Notch	J/m	ASTM D256	694 C	744 C	270 C	707 C	305 C

C – Complete break