

Technical Data Sheet

PCR PA6GF30 Regranulate Natural

Product Code: 000123

Recycled Content: 70 % PCR (post-consumer)

Composition: 70 % PCR (post-consumer), 30 % virgin glass fibre

Product Description:

000123 PCR PA6GF30 Regranulate Natural comes from post-consumer recycled and virgin materials in Asia and is suitable for injection moulding applications. The material is GRS certified.



Physical Property	Value	Units	Test Standard	Test Condition
Flexural Strength	210.5	MPa	ISO 178&GB/T 9341	2mm/min, average value
Density	1.336	g/cm ³	ISO 1183-1&GB/T 1033.1	Immersion method, average value
Flexural Modulus	7485	MPa	ISO 178&GB/T 9341	2mm/min, average value
Tensile Strength	147	MPa	ISO 527&GB/T 1040	Tensile speed 50mm/min, average value
Elongation at Break	7	%	ISO 527&GB/T 1040	Tensile speed 50mm/min, average value
Toughness	9.35	MPa	ISO 178&GB/T 9341	2mm/min, average value
MFR	10.3667	g/10 min	ISO 1133-1	Preheat 5min, test temperature 250°C, load 2.16 kg, average value
Impact Strength	14.26	kJ/m ²	ISO 180&GB/T 1843	Injection molded type A notch, 23°C, pendulum energy 2.75, average value
Energy Absorption	0.4566	J	ISO 180&GB/T 1843	Injection molded type A notch, 23°C, pendulum energy 2.75, average value

Disclaimer

This information contained herein is based on the data available to us and is believed to be correct. However, Sinox makes no warranty, expressed or implied, regarding the accuracy of these data or the results to be obtained from the use thereof. Each user of the products shall convince himself through all available sources (including finished product testing in its appropriate environment) of the suitability of the products supplied for its particular purpose.

