

Opole 23.02.2022

Material Data Sheet: PP GF 25%

Polypropylene with talc/chalk strengthened with glass fiber 25%, a general purpose material for injection

Form: granules, colour: black

Properties	Test method	Test conditions	Units of measurement	Value
PHYSICAL				
Density	ISO 1183		g/cm ³	-
Flow index MFR	ISO 1133	230C/2,16 kg	g/10 min	7,5
Processing shrinkage	ISO 394-4	60x60x2	%	-
Moisture amount			%	<0,2
MECHANICAL				
Tensile/compressive stress	ISO 527	1 mm/min	MPa	2323
Young modulus				
Stress at yield	ISO 527	1 mm/min	MPa	28,5
Pronounced plastic elongation	ISO 527	5 mm/min	%	5,0
Tensile strength	ISO 527	1 mm/min	MPa	28,5
Enlongation at tensile strength	ISO 527	5 mm/min	%	5,0
Breaking strain	ISO 527	5 mm/min	MPa	18
Nominal elongation after fracture	ISO 527	5 mm/min	%	6,7
Charpy impact toughness	ISO 179	20C	kJ/m ³	6,5
COMBASTIBILITY				
Combustibility	UL94	1,5 mm	class	HB

Mass temperature: 230 – 260 C, Form temperature: 80 C

Information regarding drying before processing: this product should be dried at 80 C in 3-4 hours' time.

Packaging: octabin up to 1000 kg, big bags.

Translated by M.Fox / PROINVEST LLC