

Item no:	11194	PA6-GF30
Feedstock	Post industrial from 1.st. use	
Color:	Black	
Forms	R-Pellets	
Processing Method:	Injection moulding	
Storage:	Octabin (sealed w/PE bag) appx 700kg	
Drying:	Need to be dried before processing	

Overall description	Our Polymer
	Art. no: 11194
Decription	PA6-GF30
Forms	R-Pellets
Color	Black
Feedstock (Polymer)	Post industrial from 1.st. use
Additives / Reinforcement	Recycled fiber
CO₂ footprint (kg CO₂ / kg Polymer) ⁽²⁾	0,5kg CO2/kg pellets (only 7% compared to Virgin)

Rheological / Physical specs. ⁽¹⁾	Typical values	Unit	Test method
Melt Flow Index (MFI) <i>Low temp.</i>	9	g/10min.	ISO 1133 2,16kg/230°C
Melt Flow Index (MFI) <i>High temp.</i>	not measured	g/10min.	ISO 1133 2,16kg/275°C
Density	not measured	g/cm ³	ISO 1183
Molding Shrinkage (Longitudinal)	0,4	%	our own test specimen
Molding Shrinkage (Transversal)	not measured	%	our own test specimen

Mechanical specs. ⁽¹⁾	Typical values	Unit	Test method
Tensile Modulus / Modulus of elasticity <i>E-modul</i>	>7200	MPa (N/mm ²)	ISO 527, 1mm/min
Maximal tensile stress / Tensile Strength <i>Trækstyrke ved flydning</i>	>130	MPa (N/mm ²)	ISO 527, 50mm/min
Elongation at yield <i>Trækforlængelse ved flydning</i>	n/a	%	ISO 527, 50mm/min
Elongation at break <i>Trækforlængelse ved brud</i>	8,5	%	ISO 527, 50mm/min
Charpy Unnotced <i>Slagstyrke uden kærm</i>	>65	kJ/m ²	ISO 179/1eU, 23°C
Charpy Notced <i>Slagstyrke med kærv</i>	>13	kJ/m ²	ISO 179/1eA, 23°C

All test are made with test-specimen which are **Dry as molded**

⁽²⁾ Calculation of CO₂ footprint is made by **Viegand Maagoe A/S**

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