



## ArtPYLEN HP 20GF

Technical Data Sheet (no 01.2016)

Property	Test method	Test condition	Unit	Value
<b>PHYSICAL</b>				
Density	ISO 1183		g/cm <sup>3</sup>	1,05
Melt flow index	ISO 1133	250°C/2,16kg	g/10min	8
Humidity absorption	ISO 62	23°C/50%RH	%	<0,1
Water absorption	ISO 62	23°C	%	<0,2
Mold shrinkage II	ISO 294	60x60x2	%	0,3-0,6
Mold shrinkage ⊥	ISO 294	60x60x2	%	0,8-1,0
Granule moisture			%	<0,20
<b>MECHANICAL</b>				
Tensile stress at break	ISO 527	5mm/min	MPa	64
Elongation at brake	ISO 527	5mm/min	%	4
Tensile E-modulus	ISO 527	1mm/min	MPa	4600
Charpy notched impact strength	ISO 179	23°C	kJ/m <sup>2</sup>	9
<b>THERMAL</b>				
Heat deflection temperature	ISO 75	1,8MPa	°C	130
Vicat softening point	ISO 306	50N	°C	
<b>FLAMMABILITY</b>				
Flammability	UL94	1,5 mm	Klasa	HB

**CHARACTERISTICS:** ArtPYLEN HP 20GF is polypropylene homopolymer with 20% glass fiber, chemically coupled. Contains lubricating (release) agent and antioxidants for processing stabilization.

**APPLICATIONS:** Injection molding compound

**PROCESSING:** Melt temperature: 200-260°C                      Mold temperature: 30-70°C

**DRYING:** Recommended if the pellets are moist  
Time: 2-3 h                      Temp.: 60-70°C

**PHYSICAL FORM:** Pellets

**COLOR:** Natural

**RECYCLING:** Clean, milled, not degraded, post-production waste can be reused mixed with original polymer at the maximum level of 25%.

**PACKAGING:** PE bags 25kg, Big-bags up to 1000kg net weight

