

# Technical Datasheet

## Arsapylene GF-I 11007

**Product Type:** reinforced polypropylene with glass fiber externally lubricated for injection moulding.

**Product Description:** Arsapylene GF-I 11007 is a black 20% reinforced filled PP designed for injection molding process. The product offers an excellent balance of mechanical & process ability and features a high long-term heat-stability. Used for exterior automotive applications.

<b>Production Name</b>	<b>Arsapylene GF 11007</b>
<b>Production Code</b>	0411007
<b>Lot Number</b>	
<b>Date of Production</b>	

Typical Properties	Test Method	Test Condition	Result	Unit
<b>General</b>				
<b>Material</b>			polypropylene filled with 20% GF	
<b>Process Method</b>			Injection	
<b>Color</b>			Black	
<b>Physical</b>				
Density	ASTM D 792	(23 °C)	<b>0.98 ±0.02</b>	g/cm <sup>3</sup>
Ash/Filler Content	ASTM D 5630	(800 °C)	<b>20 ±2</b>	%
Mold Shrinkage	ASTM D 955	-	<b>1.2 ±0.2</b>	%
Melt Flow Index	ASTM D 1238-10	230°C-2.16 kg	<b>2 ±1</b>	gr/10min
<b>Mechanical</b>				
Tensile Strength at Break	ASTM D 638	(50mm/min)	<b>36 &lt;</b>	MPa
Tensile Strength Yield	ASTM D 638	(50 mm/min )	-	MPa
Tensile strain at Break	ASTM D 638	(50 mm/min )	<b>6 ± 1</b>	%
Tensile strain at Yield	ASTM D 638	(50 mm/min )	-	%
Izod Impact Strength	ASTM D 256	Notched at 23°C	<b>40 &lt;</b>	J/m
Izod Impact Strength	ASTM D 256	Notched at 23°C	<b>5 ± 1</b>	KJ/m <sup>2</sup>

- The data contained in this publication are based on our current knowledge and experience.

**Processing Conditions:**

- Barrel Temperature Range: 180-230 °C
- Mold Temperature: 15-40 °C
- Pre-drying is necessary for materials and dryer operation at 70 degC is recommended. Drying time 1 hour is generally sufficient.