

# Technical Data Sheet

## Arsapylene GF-TA-I 11010

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

**Product Description:** Arsapylene GF-TA-I 11010 is a black 40% 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-TA-I 11010</b>
<b>Customer Name</b>	Sabooran Polymer
<b>Lot Number</b>	
<b>Date of Production</b>	

**Typical Properties      Test Method      Test Condition      Result      Unit**

General				
<b>Material</b>			polypropylene filled with 25% GF 15% TA	
<b>Process Method</b>			Injection	
<b>Color</b>			Black	
Physical			Lot 1	
Density	ASTM D 792	(23 °C)	-	g/cm3
Ash/Filler/ TD Content	ASTM D 5630	(800 °C)	<b>40-45</b>	%
Mold Shrinkage	ASTM D 955	-	-	%
Melt Flow Index	ASTM D 1238-10	230°C-2.16 kg	<b>2.5 (+5-1)</b>	gr/10min
Mechanical				
Tensile Strength at Break	ASTM D 638	(50mm/min)	<b>28 ± 2</b>	MPa
Tensile Strength Yield	ASTM D 638	(50 mm/min)	<b>27 ± 2</b>	MPa
Tensile strain at Break	ASTM D 638	(50 mm/min)	<b>4.5 ± 1</b>	%
Tensile strain at Yield	ASTM D 638	(50 mm/min)	<b>5 ± 1</b>	%
Izod Impact Strength	ASTM D 256	Notched at 23°C	<b>4 ± 0.5</b>	KJ/M2
Izod Impact Strength	ASTM D 256	Notched at 23°C	<b>40 ± 10</b>	J/m

- 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.