

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.

Production Name	Arsapylene GF 11007
Production Code	0411007
Lot Number	
Date of Production	

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

- 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.