

Technical Datasheet

Arsapylene GF-I 11029

Product Type: reinforced polypropylene with glass fiber

Product Description: Arsapylene GF-I 11029 is a black 30% reinforced filled PP copolymer designed for injection molding process. The product offers an excellent balance of mechanical & process ability and features a high long-term heat-stability.

Production Name	Arsapylene GF-I 11029
Production Code	0411029
Lot Number	
Date of Production	

Typical Properties	Test Method	Test Condition	Result	Unit
General				
Material			polypropylene filled with 30% GF	
Process Method			Injection	
Color			Black	
Physical	Lot 1			
Density	ASTM D 792	(23 °C)	-	g/cm ³
Ash/Filler/ TD Content	ASTM D 1238	(800 °C)	30 ±2	%
Mold Shrinkage	ASTM D 5630	-	-	%
Melt Flow Index	ASTM D 1238-10	230°C-2.16 kg	3 ±1	gr/10min
Mechanical				
Tensile Strength at Break	ASTM D 638	(50mm/min)	78 ±2	MPa
Tensile Strength Yield	ASTM D 638	(50 mm/min)	-	MPa
Tensile strain at Break	ASTM D 638	(50 mm/min)	8 <	%
Tensile strain at Yield	ASTM D 638	(50 mm/min)	-	%
Izod Impact Strength	ASTM D 256	Notched at 23°C	90 <	J/m
Izod Impact Strength	ASTM D 256	Notched at 23°C	8 <	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.