ARSAM PLAST

Technical Data Sheet

Arsapylene GF-I 11018

Product Type: reinforced polypropylene with glass fiber for injection moulding.
Product Description: Arsapylene GF-I 11018 is a black 30% reinforced glass fiber Polypropylene designed for injection molding process. The product provides an excellent balance of mechanical & process ability and features a high long-term heat-stability.

Property	Test Method	Test Condition	Value	Unit
General Properties				
Material	polypropylene filled with 30% glass fiber			
Process Method	Injection			
Color	Black			
Physical Properties				
Density	ASTM D 792	(23 °C)	1.18	g/cm3
Ash/Filler/ TD Content	ASTM D 5630	(600 °C)	32	%
Mold Shrinkage	ASTM D 955	24 Hr	-	%
Melt Flow Index	ASTM D 1238	230 °C-2.16 kg	2	gr/10min
Mechanical Properties				
Tensile Strength at Break	ASTM D 638	(50 mm/min)	60	MPa
Tensile Strength Yield	ASTM D 638	(50 mm/min)	60	MPa
Tensile strain at Break	ASTM D 638	(50 mm/min)	10	%
Tensile strain at Yield	ASTM D 638	(50 mm/min)	11	%
Izod Impact Strength	ASTM D 256	Notched at 23°C	10	KJ/m^2

- All mentioned information in this technical data sheet present current knowledge and experience of Arsam. Naturally, these data do not guarantee certain values since may vary on customers processing conditions, so they are provided for reference purposes only and should not be used alone to create specification limits and design basis.

Processing Conditions:

- Recommended Zone Setting are as follows: (200-230) °C
- Mold Surface Temperature: (50-65)°C
- Pre-drying is necessary for materials and dryer operation at 80 °C is recommended. Drying time 1-2 hour is generally sufficient.