Technical Datasheet

Arsapylene TA-I 11020

Product Type: reinforced polypropylene externally lubricated for injection molding.

Product Description: Arsapylene TA-I 11020 is polypropylene filled with 20% Talc by better mechanical properties, dimensional stability, stiffness, good heat and chemical resistance. This compound is used in appliance industry, automotive applications, electrical goods, housewares and other utility products. This grade is designed to be processed in conventional injection molding techniques.

Production Name	Arsapylene TA-I 11020
Production Code	0411020
Lot Number	
Date of Production	

Typical Properties	Test Method	Test Condition	Value	Unit
General				
Material			polypropylene filled with 20% Talc	
Process Method			Injection	
Color			Black	
Physical				
Density	ASTM D 792	(23 °C)	**1.00 ±0.02**	g/cm3
Ash/Filler/ TD Content	ASTM D 5630	(800 °C)	**20 ±2**	%
Mold Shrinkage	ASTM D 955	After 24 Hr	**(L : 0.88 – W : 0.24)± 0.02**	%
Melt Flow Index	ASTM D 1238	230°C-2.16 kg	**5 ±1.5**	gr/10min
Mechanical				
Flexural Strength	ASTM D 790	(30 mm/min)	**40 <**	MPa
Flexural Modulus	ASTM D 790	(30 mm/min)	**2000 <**	MPa
Tensile Strength at Break	ASTM D 638	(50 mm/min)	**20 ±3**	MPa
Tensile Strength Yield	ASTM D 638	(50 mm/min)	**26 ±3**	MPa
Tensile strain at Break	ASTM D 638	(50 mm/min)	**12 <**	%
Tensile strain at Yield	ASTM D 638	(50 mm/min)	**7 <**	%
Izod Impact Strength	ASTM D 256	Notched at 23°C	**2.5 <**	KJ/m2
Izod Impact Strength	ASTM D 256	Notched at -10°C	**15 <**	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.

ARSAM PLAST
Tel: +98-21-65435841-2 / Fax: +98-21-65435840
WWW.arsamplast.com / E-mail:info@arsamplast.com