

Smoothblend® ABS-1100

Acrylonitrile Butadiene Styrene

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

Smoothblend® ABS-1100 is a wear resistance acrylonitrile butadiene styrene compound offering superb lubricity by incorporating PTFE. It is developed for applications demanding stringent wear resistant and low friction performance.

General Information			
Additive	PTFE Lubricant (5%)		
Features	Good Chemical Resistance		
	Good Thermal Stability		
	Good Wear Resistance		
	Low Friction		
	Lubricated		
Uses	Automotive Applications		
	Bushings		
	Engineering Parts		
	Gears		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.50 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	44.0	MPa	ASTM D638
Tensile Elongation (Break)	25	%	ASTM D638
Flexural Modulus	2500	MPa	ASTM D790
Flexural Strength	73.0	MPa	ASTM D790
Coefficient of Friction			ASTM D1894
vs. Steel - Dynamic	0.40		
vs. Steel - Static	0.27		
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	150	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 4.00 mm)	100	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94
Injection	Nominal Value	Unit	

Drying Temperature	80.0	°C
Drying Time	2.0 to 4.0	hr
Rear Temperature	220 to 250	°C
Middle Temperature	225 to 230	°C
Front Temperature	230 to 235	°C
Nozzle Temperature	235 to 240	°C
Processing (Melt) Temp	220 to 240	°C
Mold Temperature	60.0 to 70.0	°C

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

