

PLUSTEK PA112NT

Polyamide 66
Polyram Ram-On Industries

Message:
POLYAMIDE 66 FILLED WITH PTFE TO IMPROVE WEAR RESISTANCE MOULDED PARTS.

General Information			
Additive	PTFE lubricant		
Features	Good wear resistance		
	Lubrication		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage			
Flow	2.0	%	ASTM D955
--	2.0	%	ISO 2577
Water Absorption			
Saturation	8.5	%	ASTM D570
Saturated, 23°C	8.5	%	ISO 62
Equilibrium, 23°C, 50% RH	2.8	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	70.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	15	%	ASTM D638, ISO 527-2
Flexural Modulus			
--	2500	MPa	ASTM D790
--	2350	MPa	ISO 178
Flexural Strength	110	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	65	J/m	ASTM D256
23°C	65	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, not annealed	210	°C	ASTM D648, ISO 75-2/B
1.8 MPa, not annealed	100	°C	ASTM D648, ISO 75-2/A
Melting Temperature	256	°C	ISO 11357-3, ASTM D3418
Flammability	Nominal Value	Test Method	
Flame Rating (3.00 mm)	HB	UL 94	

Injection	Nominal Value	Unit
Drying Temperature	85.0	°C
Drying Time	3.0	hr
Suggested Max Moisture	0.15	%
Rear Temperature	270 - 280	°C
Middle Temperature	280 - 300	°C
Front Temperature	285 - 310	°C
Mold Temperature	65.0 - 110	°C
Injection Pressure	70.0 - 125	MPa
Injection Rate	Fast	
Holding Pressure	35.0 - 85.0	MPa
Back Pressure	0.350 - 0.700	MPa
Screw Speed	60 - 90	rpm

Injection instructions

Fill Speed: 50 to 75 mm/sec

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

