Next Nylon 66 Prime Series PMS1-01S.GY

Polyamide 66

Next Polymers Ltd.

Message:

Description
PA66 MOS2 Filled Steel Grey Compound
Product Applications
This grade is suitable for Textile parts, Moving parts, Mechanical seal, Bearing, slider ring, chain links, sleeves, Bearing cages for roller bearings etc
Benefits
Good Tensile strength with wear resistant, greater dimensional stability, higher heat resistance and lower surface friction.

General Information	
Additive	Molybdenum disulfide lubricant
Features	Good dimensional stability Good strength Good wear resistance Heat resistance, high
Uses	Textile applications Machine/mechanical parts Seals Bearing
Agency Ratings	EC 1907/2006 (REACH)
RoHS Compliance	RoHS compliance
Appearance	Grey
Processing Method	Injection molding

Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.16	--	g/cm³	ASTM D792
Molding Shrinkage				ASTM D955
Flow	1.1	--	%	ASTM D955
Transverse flow	1.1	--	%	ASTM D955
Water Absorption				ASTM D570
23°C, 24 hr	0.35	--	%	ASTM D570
Saturation [1]	7.0	--	%	ASTM D570

Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness				ASTM D785
Class m	85	--		ASTM D785
Class r	115	--		ASTM D785

Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	90.0	60.0	MPa	ASTM D638
Tensile Elongation (Break)	15	25	%	ASTM D638

Flexural Modulus	3200	--	MPa	ASTM D790
Flexural Strength	120	85.0	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact (23°C)	59	--	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, not annealed	205	--	°C	ASTM D648
1.8 MPa, not annealed	93.0	--	°C	ASTM D648
Melting Temperature	262	--	°C	ASTM D2117
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+13	--	ohms	IEC 60093
Volume Resistivity	1.0E+14	--	ohms·cm	IEC 60093
Dielectric Strength	14	--	kV/mm	IEC 60243-1
Comparative Tracking Index	600	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (0.800 mm)	V-2	--		UL 94
Additional Information				
干燥 This grade is not suitable for food contact, medical devices or toy applications				
Injection	Dry	Unit		
Drying Temperature - Hot Air Dryer	80.0		°C	
Drying Time	4.0 - 6.0		hr	
Suggested Max Moisture	0.20		%	
Rear Temperature	260 - 270		°C	
Middle Temperature	270 - 280		°C	
Front Temperature	270 - 280		°C	
Mold Temperature	65.0 - 85.0		°C	
NOTE				
1.	Immersed			

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


WECHAT