Next Nylon 66 Prime Series PMS2-01S.GY.

Polyamide 66

Next Polymers Ltd.

Message:

Description
PA66 MOS2 Filled Steel Grey Compound
Product Applications
This grade is ideal for moving parts Such as Mechanical seal, Bearing slider ring etc
Benefits
Great Wear resistant, Low surface Friction Higher strength and good rigidity

General Information	
Additive	Molybdenum disulfide lubricant
Features	Low friction coefficient Rigidity, high Good strength Good wear resistance
Uses	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	1.17	--	g/cm³	ASTM D792
Molding Shrinkage				ASTM D955
Flow	0.80	--	%	ASTM D955
Transverse flow	0.80	--	%	ASTM D955
Water Absorption				ASTM D570
23°C, 24 hr	0.30	--	%	ASTM D570
Saturation [1]	7.0	--	%	ASTM D570

Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	115	--		ASTM D785

Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	3300	--	MPa	ASTM D638
Tensile Strength	90.0	60.0	MPa	ASTM D638
Tensile Elongation (Break)	20	25	%	ASTM D638
Flexural Modulus	3200	--	MPa	ASTM D790

Flexural Strength	120	85.0	MPa	ASTM D790
Coefficient of Friction	0.20	--		ASTM D1894
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	49	--	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	98.0	--	°C	ASTM D648
Melting Temperature	262	--	°C	ASTM D2117
CLTE - Flow (-40 to 149°C)	7.2E-5	--	cm/cm/°C	ASTM E831
Electrical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Surface Resistivity	1.0E+14	--	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