LIHAN® A7010

Polyamide 66

Nanjing Lihan Chemical Co., Ltd.

Message:

LIHAN®A7010 is a polyamide 66 (nylon 66) product. It can be processed by injection molding and is available in the Asia-Pacific region. The main characteristics are: flame retardant/rated flame.

General Information				
Forms	Particle			
Processing Method	Injection molding			
Physical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Density	1.56	--	g/cm³	ISO 1183
Molding Shrinkage	0.20 - 0.50	--	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	0.50 - 0.90	--	%	ISO 62
Moisture Content	4.0 - 5.0	--	%	ISO 62
Hardness	**Dry**	**Conditioned**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	120	117		ISO 2039-2
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Stress (Break)	210	170	MPa	ISO 527-2
Tensile Strain (Break)	2.5	3.5	%	ISO 527-2
Flexural Modulus	13000	11500	MPa	ISO 178
Flexural Stress	310	240	MPa	ISO 178
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Notched Izod Impact	13	15	kJ/m²	ISO 180
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Heat Deflection Temperature				
0.45 MPa, not annealed	260	--	°C	ISO 75-2/B
1.8 MPa, not annealed	255	--	°C	ISO 75-2/A
Melting Temperature	260	--	°C	DSC
CLTE - Flow	5.0E-6 - 2.0E-5	5.0E-5 - 6.0E-5	cm/cm/°C	ASTM D696
Electrical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Surface Resistivity	1.0E+12	1.0E+10	ohms	ASTM D257
Dielectric Strength	20	--	kV/mm	ASTM D149
Flammability	**Dry**	**Conditioned**	**Unit**	**Test Method**
Flame Rating (1.59 mm)	HB	--		UL 94
Injection	**Dry**	**Unit**		
Processing (Melt) Temp	270 - 310		°C	
Mold Temperature	80.0 - 90.0		°C	

Recommended distributors for this material

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