TECHNYL® 2710ST BLACK

Polyamide 66

Solvay Engineering Plastics

Message:

Polyamide 66, with very high impact resistance even at low temperature, for injection moulding

General Information	
Features	Ultra High Impact Resistance
Uses	Fasteners Gaskets Sporting Goods Toys
Appearance	Black Colors Available Natural Color
Processing Method	Injection Molding
Part Marking Code (ISO 11469)	>PA66<

Physical	Dry	Conditioned	Unit	Test Method
Density	1.08	--	g/cm³	ISO 1183
Molding Shrinkage				Internal Method
Across Flow	1.9	--	%	
Flow	1.9	--	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	1.1	--	%	ISO 62
Hardness	**Dry**	**Conditioned**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	115	--		ASTM D785
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Strength (Yield)	50.0	--	MPa	ASTM D638
Tensile Elongation (Break)	70	--	%	ASTM D638
Flexural Modulus	2200	--	MPa	ASTM D790
Flexural Strength (Break)	70.0	--	MPa	ASTM D790
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Notched Izod Impact	950	--	J/m	ASTM D256
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	70.0	--	°C	ASTM D648
Melting Temperature	262	--	°C	ISO 11357-3

CLTE - Transverse (23 to 85°C)	7.0E-5	--	cm/cm/°C	ASTM D696
Heat Deflection Temperature - 0.64 MPa	222	--	°C	ASTM D648
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+13	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+15	1.0E+13	ohms·cm	IEC 60093
Electric Strength	30	16	kV/mm	IEC 60243-1
Relative Permittivity	3.20	4.00		IEC 60250
Dissipation Factor	0.020	0.060		IEC 60250
Comparative Tracking Index				IEC 60112
Solution A	575	600	V	
Solution B	450	--	V	
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (3.20 mm)	HB	--		UL 94
Injection	Dry	Unit		
Drying Temperature	80.0		°C	
Suggested Max Moisture	0.20		%	
Rear Temperature	265 to 270		°C	
Middle Temperature	270 to 280		°C	
Front Temperature	280 to 290		°C	
Mold Temperature	60.0 to 80.0		°C	

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