

TECHNYL® 2710IR BRIGHT

Polyamide 66
Solvay Engineering Plastics

Message:

TECHNYL® 2710 IR Bright is an unfilled polyamide 6.6, impact modified, for injection molding. The product is available in natural color, and in other colors on request.

General Information				
Additive		Impact Modifier		
Features		Fast Molding Cycle		
		Good Surface Finish		
		Impact Modified		
		Medium Impact Resistance		
Uses		Fasteners		
		Gaskets		
Agency Ratings		UU 453/2010/EC		
RoHS Compliance		RoHS Compliant		
Appearance		Colors Available		
		Natural Color		
Processing Method		Injection Molding		
Part Marking Code (ISO 11469)		>PA66-I<		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.10	--	g/cm ³	ISO 1183/A
Molding Shrinkage				Internal Method
Across Flow	1.9	--	%	
Flow	1.9	--	%	
Water Absorption (23°C, 24 hr)	1.1	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Stress (Yield)	65.0	--	MPa	ISO 527-2/1A
Tensile Strain (Break)	25	--	%	ISO 527-2/1A
Flexural Modulus	2100	--	MPa	ISO 178
Flexural Stress	90.0	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	15	--	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break	--		ISO 179/1eU

Notched Izod Impact Strength (23°C)	22	--	kJ/m ²	ISO 180/1A
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	92.0	--	°C	ISO 75-2/Af
Melting Temperature	262	--	°C	ISO 11357-3
CLTE - Transverse (23 to 85°C)	7.0E-5	--	cm/cm/°C	ISO 11359-2
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+15	1.0E+14	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	3.20		IEC 60250
Dissipation Factor	0.020	0.10		IEC 60250
Comparative Tracking Index				IEC 60112
Solution A	550	--	V	
Solution B	475	--	V	
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (3.20 mm)	HB	--		UL 94
Oxygen Index	21	--	%	ISO 4589-2
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	70.0 to 100		°C	

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