

SOLLAMID B 2700 FV 50

Polyamide 6
Krisoll Resinas Plásticas Ltda.

Message:
SOLLAMID B 2700 FV 50 is a Polyamide 6 (Nylon 6) material filled with 50% glass fiber. It is available in Latin America. Primary attribute of SOLLAMID B 2700 FV 50: Flame Rated.

General Information				
Filler / Reinforcement		Glass Fiber,50% Filler by Weight		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.56	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.15 to 0.25	--	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.75	--	%	ASTM D570
Heat Stability	115 to 125	--	°C	
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	125	115		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	14500	7000	MPa	ASTM D638
Tensile Strength (23°C)	200	140	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	2.0	3.0	%	ASTM D638
Flexural Modulus (23°C)	13000	8000	MPa	ASTM D790
Flexural Strength (23°C)	300	190	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength ¹ (23°C)	17	30	kJ/m ²	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, Unannealed	230	--	°C	
1.8 MPa, Unannealed	220	--	°C	
Melting Temperature	214 to 220	--	°C	
CLTE - Flow	1.8E-5	--	cm/cm/°C	ASTM D696
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	1.0E+15	--	ohms·cm	ASTM D257
Dielectric Strength	22	--	kV/mm	ASTM D149
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (1.60 mm)	HB	--		UL 94
NOTE				
1.	Notch B			

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