

SOLLAMID A 2700 FV

Polyamide 66
Krisoll Resinas Plásticas Ltda.

Message:

SOLLAMID A 2700 FV is a Polyamide 66 (Nylon 66) material filled with glass fiber. It is available in Latin America for injection molding. Primary attribute of SOLLAMID A 2700 FV: Flame Rated.

General Information				
Filler / Reinforcement		Glass Fiber		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.39	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.50 to 0.70	--	%	
Water Absorption (23°C, 24 hr)	0.90	--	%	ASTM D570
Heat Stability	100 to 120	--	°C	
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	122	110		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	10300	7800	MPa	ASTM D638
Tensile Strength (23°C)	180	125	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	4.0	5.0	%	ASTM D638
Flexural Modulus (23°C)	8300	5000	MPa	ASTM D790
Flexural Strength (23°C)	250	190	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	6.0	10	kJ/m ²	ISO 179
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, Unannealed	240	--	°C	
1.8 MPa, Unannealed	240	--	°C	
Melting Temperature	255 to 265	--	°C	
CLTE - Flow	3.0E-5	--	cm/cm/°C	ASTM D696
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	1.0E+15	--	ohms · cm	ASTM D257
Dielectric Strength	25	--	kV/mm	ASTM D149
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating	HB	--		UL 94
Injection	Dry	Unit		

Processing (Melt) Temp	255 to 270	°C
Mold Temperature	60.0 to 80.0	°C

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