

Nylfor® 74S5251PO 0001

Polyamide 66

SO.F.TER. SPA

Message:

Standard viscosity polyamide 66, 25% glass fiber reinforced. Flame retardant grade UL94V-0 with red phosphorous

General Information			
UL YellowCard	E187982-100175018		
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Features	Flame Retardant		
	Low (to None) Phosphorus Content		
Agency Ratings	EC 1907/2006 (REACH)		
UL File Number	E187982		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm ³	ASTM D792
Molding Shrinkage	0.50	%	Internal Method
Water Absorption			ISO 62
Saturation, 23°C	5.5	%	
Equilibrium, 23°C, 50% RH	1.5	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8500	MPa	ASTM D638
Tensile Strength (Break)	150	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	7800	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	9.0	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C)	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	250	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.60 mm	V-0		
3.20 mm	V-0		
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	4.0	hr	

Rear Temperature	270	°C
Middle Temperature	280	°C
Front Temperature	280	°C
Mold Temperature	60.0 to 90.0	°C

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Recommended distributors for this material

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