

Nylfor® 74S5501PO 0001

Polyamide 66

SO.F.TER. SPA

Message:

Standard viscosity polyamide 66, 50% glass fiber reinforced. Flame retardant grade UL94V-0 with red phosphorous

General Information			
UL YellowCard	E187982-100175018	E187982-102029142	
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Features	Flame Retardant		
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	1.59	g/cm³	ASTM D792
Molding Shrinkage	0.35	%	Internal Method
Water Absorption			ISO 62
Saturation, 23°C	4.5	%	
Equilibrium, 23°C, 50% RH	1.9	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	15000	MPa	ASTM D638
Tensile Strength (Break)	185	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	14000	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	13	kJ/m²	ISO 179/1eA
Notched Izod Impact (23°C)	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	255	°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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