

Nylfor® B2 E2/3E NATURALE

Polyamide 6

SO.F.TER. SPA

Message:

Elastomer modified polyamide 6

General Information			
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Molding Shrinkage	1.6	%	Internal Method
Water Absorption			ISO 62
Saturation, 23°C	7.0	%	
Equilibrium, 23°C, 50% RH	2.2	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1800	MPa	ASTM D638
Tensile Strength (Yield)	42.0	MPa	ASTM D638
Tensile Elongation (Break)	180	%	ASTM D638
Flexural Modulus	1400	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	88	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C)	900	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	50.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.60 mm	HB		
3.20 mm	HB		
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	4.0	hr	
Rear Temperature	240	°C	
Middle Temperature	260	°C	
Front Temperature	270	°C	
Mold Temperature	60.0 to 80.0	°C	

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