TECHNYL® A 222F NATURAL FA

Polyamide 66

Solvay Engineering Plastics

Message:

TECHNYL® A 222F Natural FA is an unfilled polyamide 66, heat stabilized, medium viscosity, for injection moulding, fast crystallization, for short cycles. This grade offers a good combination between primary properties of the unreinforced polyamide 66 and processing properties leading to increased productivity. These performances are associated with excellent dimensional stability and good rigidity of moulded parts. It is designed to be used in food contact applications.

General Information			
Features	Heat Stabilized - Inorganic Fast molding cycle Good liquidity Compliance of Food Exposure		
Uses	Valve/valve components Industrial application Consumer goods application field		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Appearance	Black Natural color		
Forms	Particle		
Processing Method	Injection molding		
Resin ID (ISO 1043)	PA66		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.14	g/cm³	ISO 1183/A
Water Absorption (23°C, 24 hr)	1.2	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (23°C)	4000	MPa	ISO 527-2/1A
Tensile Stress			ISO 527-2/1A
Yield, 23°C	95.0	MPa	ISO 527-2/1A
Fracture, 23°C	95.0	MPa	ISO 527-2/1A
Tensile Strain (Break, 23°C)	9.0	%	ISO 527-2
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	4.1	kJ/m²	ISO 179/1eA
Thermal	**Nominal Value**	**Unit**	**Test Method**
Melting Temperature	261	°C	ISO 11357-3
Injection	**Nominal Value**	**Unit**	

Drying Temperature	80	°C
Suggested Max Moisture	0.20	%
Rear Temperature	265 - 275	°C
Middle Temperature	270 - 280	°C
Front Temperature	280 - 285	°C
Mold Temperature	60 - 80	°C

Injection instructions

The material is supplied in airtight bags, ready for use. In case that the virgin material has absorbed moisture, it must be dried with a dehumidified air drying equipment, dew point mini -20°C. Recommended time 2-4hInjection Advice:
For unfilled polyamide, Solvay recommends the use of high alloy steel with a weak chromium content. For example: X38CrMoV5-1 (EN Norm) - 1.2367 /1.2343 (DIN Norm). For Mould Temperature, in the case of parts where the surface roughness is required we can recommend a temperature of 90°C to 120°C with an optimum at 105°C.
The processing parameters like processing temperatures are a recommendation and can be adjusted in function of injection machine size, part geometry / design

Recommended distributors for this material

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Phone: +86 13424755533

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