TECHNYL® A 238F BLACK

Polyamide 66

Solvay Engineering Plastics

Message:

TECHNYL® A 238F is an unfilled polyamide 6.6 impact modified with an improved flowability, heat stabilized, for injection moulding. This grade offers excellent combination between rigidity and impact resistance at ambient temperature and flowability.

General Information				
Additive	Impact modifier heat stabilizer			
Features	Heat Stabilized - Inorganic Impact resistance, good Good demoulding performance			
Uses	Fasteners Application in Automobile Field			
Agency Ratings	EC 1907/2006 (REACH)			
RoHS Compliance	RoHS compliance			
Appearance	Black			
Forms	Particle			
Processing Method	Injection molding			
Resin ID (ISO 1043)	PA66			
Physical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Density	1.10	--	g/cm³	ISO 1183/A
Water Absorption (23°C, 24 hr)	1.1	--	%	ISO 62
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus (23°C)	2500	960	MPa	ISO 527-2/1A
Tensile Stress				ISO 527-2/1A
Yield, 23°C	63.0	40.0	MPa	ISO 527-2/1A
Fracture, 23°C	52.0	40.0	MPa	ISO 527-2/1A
Tensile Strain (Break, 23°C)	33	200	%	ISO 527-2
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	11	10	kJ/m²	ISO 179/1eA
23°C	20	99	kJ/m²	ISO 179/1eA
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Melting Temperature	263	--	°C	ISO 11357-3

Flammability	Dry	Conditioned	Test Method
Flame Rating (1.6 mm)	HB	--	UL 94

Injection	Dry	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

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China