TECHNYL® A 248M BLACK 21N

Polyamide 66

Solvay Engineering Plastics

Message:

TECHNYL® A 248M Black 21N is an unfilled polyamide 6.6, heat stabilized, impact modified, for injection moulding. This grade offers an excellent impact resistance, even at low temperature.

General Information			
Additive	Impact modifier		
Features	Heat Stabilized - Inorganic Impact resistance, high Low temperature impact resistance Good demoulding performance		
Uses	Power/other tools Application in Automobile Field Outdoor application Sporting goods Consumer goods application field Footwear		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Resin ID (ISO 1043)	PA66		
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (23°C)	1900	MPa	ISO 527-2/1A
Tensile Stress (Break, 23°C)	48.4	MPa	ISO 527-2/1A
Tensile Strain (Break, 23°C)	49	%	ISO 527-2
Flexural Modulus (23°C)	1410	MPa	ISO 178
Flexural Stress (23°C)	65.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	87	kJ/m^2	ISO 179/1eA
Thermal	**Nominal Value**	**Unit**	**Test Method**
Melting Temperature	263	°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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