TECHNYL® C 218 MT25 V15 BLACK

Polyamide 6

Solvay Engineering Plastics

Message:

TECHNYL® C 218 MT25 V15 Black is a polyamide 6, reinforced 25 % mineral filler and 15 % of glass fibre, heat stabilized, for injection moulding. This grade offers an excellent planarity of the end product, with good mechanical properties and good dimensional stability.

General Information	
Filler / Reinforcement	Glass \mineral, 40% filler by weight
Additive	heat stabilizer
Features	Heat Stabilized - Inorganic Good dimensional stability Low warpage
Uses	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)	PA6-MD25+GF15

Physical	Dry	Conditioned	Unit	Test Method
Density	1.47	--	g/cm³	ISO 1183/A
Water Absorption (23°C, 24 hr)	0.50	--	%	ISO 62
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus (23°C)	9700	5500	MPa	ISO 527-2/1A
Tensile Stress (Break, 23°C)	125	70.0	MPa	ISO 527-2/1A
Tensile Strain (Break, 23°C)	2.5	--	%	ISO 527-2
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	4.2	--	kJ/m²	ISO 180
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Melting Temperature	222	--	°C	ISO 11357-3

Injection	Dry	Unit
Drying Temperature	80	°C
Suggested Max Moisture	0.20	%
Rear Temperature	235 - 240	°C
Middle Temperature	240 - 250	°C
Front Temperature	250 - 260	°C
Mold Temperature	60 - 90	°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 reinforced polyamide, Solvay recommends the use of steel with a high content of Carbon and purified for polishing to avoid or limit the abrasion. For example: X38CrMoV5-1 (EN Norm) - 1.2367 /1.2343 (DIN Norm) or X160CrMoV12 (EN Norm) - 1.2601 /1.2379 (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.

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