PRODUCT DATA SHEET FOR POLYAMIDE 6,6GF25

Material Characteristics, Test Standards and Results of a typical Polyamide Extrusion

S. No.	Characteristics Tested	Standard Followed	Result as per Standard	Actual Results
1.	Hardness *(Shore D)*	EN ISO 868	82^0 (+/-4^0)	80^0
2.	Tensile Strength *(N/Mtr^2)*	EN ISO 527 -2	> 80*	85
3.	Elongation at Break *(%age)*	EN ISO 527 -2	> 3	4.5
4.	Impact Strength (KJ/Mtr^2)	EN ISO 179 -1	> 30	34
5.	Young's Modulus *(N/Mtr^2)*	EN ISO 527 -2	> 4500	4900
6.	Specific Gravity *(g/cm^3)*	EN ISO 1183-1	1.30	1.22
7.	Melting Temperature *(^0C)*	EN ISO 11357-3	30	28
8.	Annealing Residue (Glass Fibre Content) *(%age)*	EN ISO 1172	25 (+/-2.5)	25

- *Polyamide Profiles retain their properties, characteristics and dimensions in operating temperatures upto 230^0 C (1 hr.).*
- *During Aluminium coloring process, undertaking that conditions are correct, Polyamide Profile's dimensions and the mechanical properties remain stable.*
- *The presence of Carbon Black in raw material Polyamide, Profiles are UV resistant.*
- *PA-6,6 25% glass reinforced and Aluminium have approximately the same coefficient of linear thermal expansion, their dimensions change the same way with the temperature changes.*
- ** - This value is suitable for "I"shaped Polyamide Strips. Actual values could differ based upon the Profile shape & has to be discussed.*
- *Unless otherwise specified, all data listed is for natural or black colored materials. Pigments can affect properties.*