

Technical Data Sheet

Vitamide AF10 GREY 6-1710



Polyamide 66

Product Description

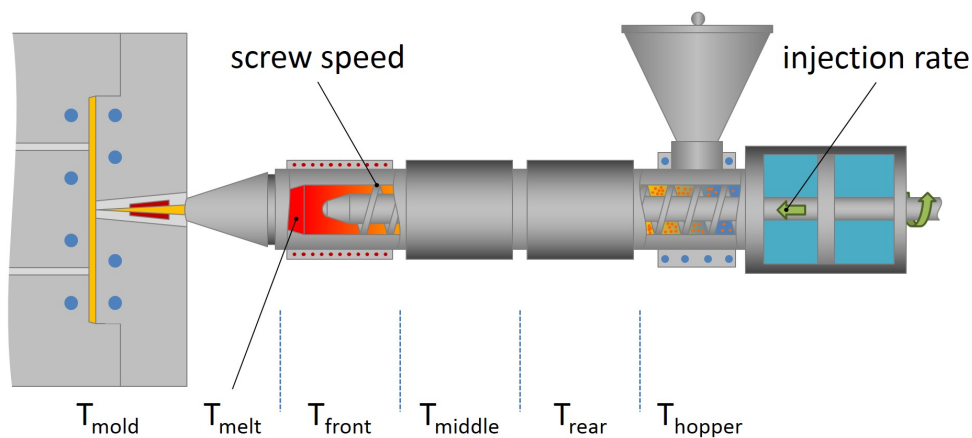
Vitamide AF10 GREY 6-1710 is a Polyamide 66 material and is typically used in Injection Molding applications.

Regulatory Status

For regulatory compliance information, see AF10 GREY 6-1710 [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Limited Issue
Availability	Africa-Middle East; Asia-Pacific; Europe; Latin America; North America
Processing Method	Injection Molding
Additive	Flame Retardant
Application	Electrical Parts

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density	1.13	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield	85	MPa	ISO 527-2
Tensile Strain at Break	20	%	ISO 527-2
Flexural Modulus	2900	MPa	ISO 178
Flexural Stress	105	MPa	ISO 178
Impact			
Notched Izod Impact Strength	5	kJ/m ²	ISO 180
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa)	223	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	80	°C	ISO 75-2/A
DSC Melting Point	260	°C	ISO 3146
Electrical			
Dielectric Strength, (2.00 mm)	27	kV/mm	IEC 60243-1
Comparative Tracking Index (CTI), (Solution A)	600	V	IEC 60112
Surface Resistivity	1E+15	ohm	IEC 60093
UL Information			
Flame Rating	V-2		UL 94



Injection Parameters	Nominal Value	Units
Drying Time	4.0 to 6.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	260 to 280	°C
Mold Temperature	60 to 100	°C

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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