

HIFLAM E 640/561 A

PA46-GF

MAIP SRL

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.4	%	ISO 294-4, 2577
Molding shrinkage, normal	1.1	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Stress at break	175	MPa	ISO 527
Strain at break	2.5	%	ISO 527
Flexural modulus, 23°C	10500	MPa	ISO 178
Izod notched impact strength, +23°C	10	kJ/m ²	ISO 180/1A
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	295	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	285	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	290	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Burning rate, FMVSS, Thickness 1 mm	100	mm/min	ISO 3795 (FMVSS 302)
Electrical properties			
ISO Data			
Volume resistivity	1E11	Ohm*m	IEC 62631-3-1
Other properties			
Density	1680	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 20	h	-
Processing humidity	≤0.1	%	-
Melt temperature	305 - 320	°C	-
Mold temperature	80 - 120	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

Europe

Special Characteristics

Flame retardant