

**KARILLON 7A 440/337**

PEK-(GF+GS)

MAIP SRL

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	20	g/10min	ISO 1133
Temperature	240	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Stress at break	100	MPa	ISO 527
Strain at break	6	%	ISO 527
Flexural modulus, 23°C	6400	MPa	ISO 178
Flexural strength	170	MPa	ISO 178
Izod notched impact strength, +23°C	8.5	kJ/m <sup>2</sup>	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	205	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	210	°C	ISO 75-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Burning rate, FMVSS, Thickness 1 mm	100	mm/min	ISO 3795 (FMVSS 302)
Glow Wire Flammability Index (GWFI)	650	°C	IEC 60695-2-12
GWFI - thickness tested (1)	1.5	mm	-

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Volume resistivity	1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	1E14	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	1500	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	70 - 90	°C	-
Pre-drying - Time	2 - 6	h	-
Processing humidity	≤0.05	%	-
Melt temperature	230 - 250	°C	-
Mold temperature	60 - 80	°C	-

**Characteristics**

**Processing**  
Injection Molding

**Regional Availability**  
Europe