

KARILLON 7A A033M

PEK

MAIP SRL

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	60	g/10min	ISO 1133
Temperature	240	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	2.0	%	ISO 294-4, 2577
Molding shrinkage, normal	2.0	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1500	MPa	ISO 527
Yield stress	60	MPa	ISO 527
Stress at break	52	MPa	ISO 527
Strain at break	200	%	ISO 527
Flexural modulus, 23°C	1600	MPa	ISO 178
Flexural strength	58	MPa	ISO 178
Charpy notched impact strength, +23°C	9	kJ/m ²	ISO 179/1eA
Izod impact strength, +23°C	N	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	10	kJ/m ²	ISO 180/1A
Rockwell hardness	R 85	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	220	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	105	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	205	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	110	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	110	E-6/K	ISO 11359-1/-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)

Electrical properties	Value	Unit	Test Standard
ISO Data			
Surface resistivity	1E14	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	1240	kg/m ³	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