

Technaset® A110

POM

R&P Polyplastic

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	9	g/10min	ISO 1133
Temperature	275	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	1.5	%	ISO 294-4, 2577
Molding shrinkage, normal	2.0	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Strength	60	MPa	ISO 527
Strain at break	30	%	ISO 527
Charpy notched impact strength, +23°C	12	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	178	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	100	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	130	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	120	E-6/K	ISO 11359-1/-2
Electrical properties			
ISO Data			
Volume resistivity	1E12	Ohm*m	IEC 62631-3-1
Electric strength	22	kV/mm	IEC 60243-1
Other properties			
Density	1420	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	85	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.2	%	-
Melt temperature	180 - 190	°C	-
Mold temperature	80	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

Europe