

RamTal PM1309GR23

POM

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	9.5	g/10min	ISO 1133
Temperature	190	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	1.9	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	2700	MPa	ISO 527
Tensile Strength	65	MPa	ISO 527
Yield strain	9.5	%	ISO 527
Izod notched impact strength, +23°C	6.5	kJ/m ²	ISO 180/1A
Thermal properties			
ISO Data			
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Other properties			
Water absorption	0.8	%	Sim. to ISO 62
Humidity absorption	0.2	%	Sim. to ISO 62
Density	1410	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.15	%	-
Mold temperature	60 - 90	°C	-
Feed temperature	60 - 70	°C	-
Zone 1	170 - 180	°C	-
Zone 2	180 - 190	°C	-
Zone 3	180 - 190	°C	-

Characteristics**Processing**

Injection Molding

Certifications

Food contact, Food approval 10/2011, RoHS compliant

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa