

RamTal PM1409NT

(POM+PTFE)

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	6.5	g/10min	ISO 1133
Temperature	190	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	1.8	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	2550	MPa	ISO 527
Tensile Strength	58	MPa	ISO 527
Strain at break	12	%	ISO 527
Flexural modulus, 23°C	2160	MPa	ISO 178
Flexural strength	70	MPa	ISO 178
Izod notched impact strength, +23°C	5.5	kJ/m ²	ISO 180/1A
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	90	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	138	°C	ISO 75-1/-2
Other properties			
Water absorption	0.8	%	Sim. to ISO 62
Humidity absorption	0.2	%	Sim. to ISO 62
Density	1530	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

Delivery form

Natural Color

Additives

Lubricants

Features

Copolymer

Certifications

Food contact, Food approval 10/2011, Food approval FDA 21 CFR, RoHS compliant

Regional Availability

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