

RamTal PM1405NT

(POM+PTFE)

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	9	g/10min	ISO 1133
Temperature	190	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	1.8	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2550	MPa	ISO 527
Tensile Strength	58	MPa	ISO 527
Yield strain	11	%	ISO 527
Strain at break	12	%	ISO 527
Flexural modulus, 23°C	2230	MPa	ISO 178
Flexural strength	85.5	MPa	ISO 178
Charpy notched impact strength, +23°C	6	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	4.7	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	6.2	kJ/m ²	ISO 180/1A
Izod notched impact strength	5.9	kJ/m ²	ISO 180/1A
Temperature	-30	°C	-

Other properties	Value	Unit	Test Standard
Humidity absorption	0.2	%	Sim. to ISO 62
Density	1430	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
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

Tribologic Grade

Certifications

RoHS compliant

Regional Availability

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