

RamLloy PFS302G14NT

(PBT+ASA)-GF14

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	7	g/10min	ISO 1133
Temperature	275	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
Molding shrinkage, normal	0.5	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	5100	MPa	ISO 527
Tensile Strength	95	MPa	ISO 527
Strain at break	3.5	%	ISO 527
Flexural modulus, 23°C	4600	MPa	ISO 178
Flexural strength	150	MPa	ISO 178
Charpy impact strength, +23°C	55	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	7.8	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	6.5	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	8	kJ/m ²	ISO 180/1A
Izod notched impact strength	7	kJ/m ²	ISO 180/1A
Temperature	-30	°C	-
ASTM Data			
Izod Impact notched, 1/8 in	77	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	157	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	208	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Water absorption	0.4	%	Sim. to ISO 62
Humidity absorption	0.2	%	Sim. to ISO 62
Density	1310	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.02	%	-
Mold temperature	60 - 90	°C	-
Feed temperature	40 - 60	°C	-
Zone 1	245 - 255	°C	-
Zone 2	245 - 250	°C	-
Zone 3	250 - 260	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Natural Color

Certifications

RoHS compliant

Applications

Automotive

Regional Availability

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