

PL300G2NT-2

PE-GF10

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	3	g/10min	ISO 1133
Temperature	190	°C	-
Load	10	kg	-
Molding shrinkage, parallel	1.4	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2020	MPa	ISO 527
Tensile Strength	38	MPa	ISO 527
Yield strain	4	%	ISO 527
Strain at break	8	%	ISO 527
Flexural modulus, 23°C	1750	MPa	ISO 178
Flexural strength	43	MPa	ISO 178
Charpy impact strength, +23°C	52	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	50	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	18	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	14.5	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	18	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	68	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	109	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	1000	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 4	h	-
Mold temperature	30 - 70	°C	-
Feed temperature	30 - 60	°C	-
Zone 1	190 - 210	°C	-
Zone 2	200 - 220	°C	-
Zone 3	210 - 230	°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