

RamLloy PNS300PWG6BK10

(PPE+PS)-GF30

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	7.4	g/10min	ISO 1133
Temperature	280	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	10700	MPa	ISO 527
Tensile Strength	137	MPa	ISO 527
Strain at break	1.6	%	ISO 527
Izod impact strength, +23°C	36	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	8.7	kJ/m ²	ISO 180/1A
Izod notched impact strength	8.5	kJ/m ²	ISO 180/1A
Temperature	-30	°C	-
ASTM Data			
Shore D Hardness	85	-	ASTM D 2240

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	140	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	145	°C	ISO 75-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3.0	mm	-
ASTM Data			
Vicat Temperature	157	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	1280	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100 - 120	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.02	%	-
Mold temperature	80 - 100	°C	-
Feed temperature	60 - 80	°C	-
Zone 1	250 - 270	°C	-
Zone 2	270 - 290	°C	-
Zone 3	280 - 300	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Black

CertificationsFood contact, Drinking water contact, Drinking water contact
NSF 61, RoHS compliant**Regional Availability**North America, Europe, Asia Pacific, South and Central America,
Near East/Africa