

RamTough RZ320G18BK10

PC-GF18

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
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Other Standards ^{S1}	Value	Unit	Test Standard
Molding shrinkage, parallel	0.2	%	Producer Method

S: These properties are reported by the producer according standards that are different to our defaults.

Mechanical properties	Value	Unit	Test Standard
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ISO Data	Value	Unit	Test Standard
Tensile Modulus	4700	MPa	ISO 527
Tensile Strength	95	MPa	ISO 527
Strain at break	2.8	%	ISO 527
Izod notched impact strength, +23°C	11.5	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
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ISO Data	Value	Unit	Test Standard
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	3.0	mm	-

Other properties	Value	Unit	Test Standard
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Humidity absorption	0.2	%	Sim. to ISO 62
Density	1320	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
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Pre-drying - Temperature	120	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.02	%	-
Mold temperature	80 - 120	°C	-
Feed temperature	60 - 70	°C	-
Zone 1	230 - 240	°C	-
Zone 2	240 - 260	°C	-
Zone 3	260 - 270	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant

Delivery form

Black

Regional Availability

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