

RamSter PE315G3BK10

PET-GF15

Polyram

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	5100	MPa	ISO 527
Tensile Strength	84	MPa	ISO 527
Strain at break	3.3	%	ISO 527
Flexural modulus, 23°C	4100	MPa	ISO 178
Flexural strength	140	MPa	ISO 178
Charpy impact strength, +23°C	55	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	11	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	11	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 0.45 MPa	220	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	1380	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.02	%	-
Mold temperature	75 - 95	°C	-
Feed temperature	60 - 80	°C	-
Zone 1	270 - 280	°C	-
Zone 2	270 - 290	°C	-
Zone 3	270 - 290	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

High impact or impact modified

Delivery form

Black

Regional Availability

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