

Tenopom® B3 ST NTLA010 PR327

POM

Grupo Petropol Polímeros

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	7	g/10min	ISO 1133
Temperature	190	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	1.7	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1700	MPa	ISO 527
Yield stress	46	MPa	ISO 527
Strain at break	11	%	ISO 527
Flexural modulus, 23°C	1560	MPa	ISO 178
Charpy notched impact strength, +23°C	17	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	19	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	165	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	75	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	122	°C	ISO 75-1/-2
Vicat softening temperature, B	130	°C	ISO 306

Other properties	Value	Unit	Test Standard
Density	1370	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	90	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	190 - 210	°C	-
Mold temperature	60 - 120	°C	-

Characteristics**Processing**

Injection Molding

Features

Copolymer

Delivery form

Natural Color

Regional Availability

North America, Europe, South and Central America

Special Characteristics

High impact or impact modified