

**Tenopom® B3 P15 S2 NTLA016 PR341**  
(POM+PTFE+SI)

Grupo Petropol Polímeros

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	11	g/10min	ASTM D 1238
Temperature	190	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.0165	mm/mm	ASTM D 955

Mechanical properties	dry / cond	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Modulus	1800 / 1950	MPa	ASTM D 638
Tensile Strength	50 / 48	MPa	ASTM D 638
Elongation at Break	26 / 28	%	ASTM D 638
Flexural Modulus	2800 / -	MPa	ASTM D 790
Rockwell Hardness	R 110 / -	-	ASTM D 785
Izod Impact notched, 1/8 in	70 / -	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	690 / -	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
DTUL @ 66 psi	165	°C	ASTM D 648
DTUL @ 264 psi	99	°C	ASTM D 648
Melting Temperature	170	°C	ASTM D 3418
Vicat Temperature	160	°C	ASTM D 1525

Electrical properties	dry / cond	Unit	Test Standard
<b>ASTM Data</b>			
Dielectric Strength, Short Time	19 / -	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.006 / -	-	ASTM D 150
Surface Resistivity	* / 1E16	Ohm	ASTM D 257
Volume Resistivity	1E14 / -	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.2	%	ASTM D 570
Density	1470	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	3	h	-
Melt temperature	190 - 215	°C	-
Mold temperature	80 - 100	°C	-

**Characteristics**

**Processing**

Injection Molding, Other Extrusion

**Delivery form**

Natural Color

**Additives**

Lubricants

**Special Characteristics**

Opaque

**Features**

Copolymer

**Regional Availability**

North America, Europe, South and Central America