



Tarnoform® 300 TF05 (POM+PTFE)				Grupa Azoty S.A.
Rheological properties		Value	Unit	Test Standard
ISO Data				
Melt volume-flow rate, MVR		7	cm³/10min	ISO 1133
Temperature		190	°C	ISO 1133
Load		2.16	kg	ISO 1133
Molding shrinkage, parallel		2.0	%	ISO 294-4, 2577
Melt flow index, MFI		9	g/10min	ISO 1133
MFI temperature		190	°C	ISO 1133
MFI load		2.16	kg	ISO 1133
Mechanical properties		Value	Unit	Test Standard
ISO Data				
Tensile Modulus		2600	MPa	ISO 527-1/-2
Yield stress		60	MPa	ISO 527-1/-2
Yield strain		9	%	ISO 527-1/-2
Strain at break		25	%	ISO 527-1/-2
Charpy impact strength (+23°C)		120	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)		3.5	kJ/m²	ISO 179/1eA
Flexural modulus (23°C)		2400	MPa	ISO 178
Izod Impact notched, 23°C		4	kJ/m²	ISO 180/1A
Ball indentation hardness		135	MPa	ISO 2039-1
Thermal properties		Value	Unit	Test Standard
ISO Data				
Melting temperature (10°C/min)		167	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)		110	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N		145	°C	ISO 306
Coeff. of linear therm. expansion, parallel		110	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h		HB	class	IEC 60695-11-10
Thickness tested		3.2	mm	IEC 60695-11-10
Electrical properties		Value	Unit	Test Standard
ISO Data				
Relative permittivity, 1MHz		4	-	IEC 60250
Dissipation factor, 1MHz		90	E-4	IEC 60250
Volume resistivity		1E13	Ohm*m	IEC 60093
Surface resistivity		1E15	Ohm	IEC 60093
Electric strength		24	kV/mm	IEC 60243-1
Comparative tracking index		600	-	IEC 60112
Other properties		Value	Unit	Test Standard
ISO Data				
Water absorption		0.65	%	Sim. to ISO 62
Humidity absorption		0.2	%	Sim. to ISO 62
Density		1410	kg/m³	ISO 1183
Characteristics				
Processing		Additives		
Injection Molding		Lubricants		

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(POM+PTFE)

Grupa Azoty S.A.

Delivery form

Granules, Black, Natural Color

Features

Low Coefficient of Friction, Copolymer