



Tarnoform® 300 TF4 (POM+PTFE)				Grupa Azoty S.A.
Rheological properties		Value	Unit	Test Standard
ISO Data				
Melt volume-flow rate, MVR	6	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	7	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	2400	MPa	ISO 527-1/-2	
Yield stress	45	MPa	ISO 527-1/-2	
Yield strain	8	%	ISO 527-1/-2	
Strain at break	15	%	ISO 527-1/-2	
Charpy impact strength (+23°C)	60	kJ/m²	ISO 179/1eU	
Charpy notched impact strength (+23°C)	3	kJ/m²	ISO 179/1eA	
Flexural modulus (23°C)	2450	MPa	ISO 178	
Izod Impact notched, 23°C	4	kJ/m²	ISO 180/1A	
Ball indentation hardness	120	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)	100	°C	ISO 75-1/-2	
Vicat softening temperature, 50°C/h 50N	140	°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	3.7	-	IEC 60250	
Dissipation factor, 1MHz	105	E-4	IEC 60250	
Volume resistivity	1E13	Ohm*m	IEC 60093	
Surface resistivity	1E15	Ohm	IEC 60093	
Electric strength	23	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	1520	kg/m³	ISO 1183	
Characteristics				
Processing		Additives		
Injection Molding		Lubricants		

Tarnoform® 300 TF4
(POM+PTFE)

Grupa Azoty S.A.

Delivery form

Granules, Black, Natural Color

Features

Low Coefficient of Friction, Copolymer