



Tarnoform® 300 EC1			
POM			Grupa Azoty S.A.
Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	0.7	cm³/10min	ISO 1133
Temperature	190	°C	ISO 1133
Load	2.16	kg	ISO 1133
Melt flow index, MFI	1	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	2100	MPa	ISO 527-1/-2
Tensile Strength	47	MPa	ISO 527-1/-2
Strain at break	11	%	ISO 527-1/-2
Charpy impact strength (+23°C)	70	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	5	kJ/m²	ISO 179/1eA
Flexural modulus (23°C)	1800	MPa	ISO 178
Izod Impact notched, 23°C	5.5	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
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			
Surface resistivity	1000	Ohm	IEC 60093
Other properties	Value	Unit	Test Standard
ISO Data			
Humidity absorption	0.2	%	Sim. to ISO 62
Density	1380	kg/m³	ISO 1183
Characteristics			
Processing	Special Characteristics		
Injection Molding	Increased electrical conductivity, Anti-static		
Delivery form	Features		
Granules, Black	Copolymer		