



Tarnoform® 300 SO (POM+SI)			
Grupa Azoty S.A.			
Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	8.5	cm ³ /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	10	g/10min	ISO 1133
MFI temperature	190	°C	ISO 1133
MFI load	2.16	kg	ISO 1133
Mechanical properties			
ISO Data			
Tensile Modulus	2650	MPa	ISO 527-1/-2
Yield stress	60	MPa	ISO 527-1/-2
Yield strain	12	%	ISO 527-1/-2
Strain at break	>50	%	ISO 527-1/-2
Charpy impact strength (+23°C)	200	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	6	kJ/m ²	ISO 179/1eA
Flexural modulus (23°C)	2400	MPa	ISO 178
Izod Impact notched, 23°C	6	kJ/m ²	ISO 180/1A
Ball indentation hardness	130	MPa	ISO 2039-1
Thermal properties			
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
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3.2	mm	IEC 60695-11-10
Other properties			
ISO Data			
Density	1410	kg/m ³	ISO 1183
Characteristics			
Processing		Additives	
Injection Molding		Lubricants	
Delivery form		Features	
Granules, Black, Natural Color		Low Coefficient of Friction, Copolymer	