



Tarnoform® 300 SO (POM+SI)				Grupa Azoty S.A.
Rheological properties	Value	Unit	Test Standard	
ISO Data				
Melt volume-flow rate, MVR	8.5	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	10	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	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/m²	ISO 179/1eU	
Charpy notched impact strength (+23°C)	6	kJ/m²	ISO 179/1eA	
Flexural modulus (23°C)	2400	MPa	ISO 178	
Izod Impact notched, 23°C	6	kJ/m²	ISO 180/1A	
Ball indentation hardness	130	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	
Burning behav. at thickness h	HB	class	IEC 60695-11-10	
Thickness tested	3.2	mm	IEC 60695-11-10	
Other properties	Value	Unit	Test Standard	
ISO Data				
Density	1410	kg/m³	ISO 1183	
Characteristics				
Processing		Additives		
Injection Molding		Lubricants		
Delivery form		Features		
Granules, Black, Natural Color		Low Coefficient of Friction, Copolymer		