



Tarnoform® 500 M POM				Grupa Azoty S.A.
ISO Data				
Melt volume-flow rate, MVR	23	cm ³ /10min		ISO 1133
Temperature	190	°C		ISO 1133
Load	2.16	kg		ISO 1133
Melt flow index, MFI	26	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	2800	MPa		ISO 527-1/-2
Tensile Strength	60	MPa		ISO 527-1/-2
Strain at break	10	%		ISO 527-1/-2
Charpy impact strength (+23°C)	55	kJ/m ²		ISO 179/1eU
Charpy notched impact strength (+23°C)	4	kJ/m ²		ISO 179/1eA
Flexural modulus (23°C)	2500	MPa		ISO 178
Izod Impact notched, 23°C	4	kJ/m ²		ISO 180/1A
Ball indentation hardness	140	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)	115	°C		ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	150	°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	1430	kg/m ³		ISO 1183
Characteristics				
Processing		Features		
Injection Molding		Low Coefficient of Friction, Copolymer		
Delivery form				
Granules, Natural Color				