



<b>Tarnoform® 500 M</b>			
POM			Grupa Azoty S.A.
<b>Rheological properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt volume-flow rate, MVR	23	cm³/10min	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
<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
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/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	4	kJ/m²	ISO 179/1eA
Flexural modulus (23°C)	2500	MPa	ISO 178
Izod Impact notched, 23°C	4	kJ/m²	ISO 180/1A
Ball indentation hardness	140	MPa	ISO 2039-1
<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
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
<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Density	1430	kg/m³	ISO 1183
<b>Characteristics</b>			
<b>Processing</b>		<b>Features</b>	
Injection Molding		Low Coefficient of Friction, Copolymer	
<b>Delivery form</b>			
Granules, Natural Color			