

Tarnoform® 300 EC1				
POM				
Rheological properties		Value	Unit	Test Standard
ISO Data				
Melt volume-flow rate, MVR	0.7	cm ³ /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/m ²		ISO 179/1eU
Charpy notched impact strength (+23°C)	5	kJ/m ²		ISO 179/1eA
Flexural modulus (23°C)	1800	MPa		ISO 178
Izod Impact notched, 23°C	5.5	kJ/m ²		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/m ³		ISO 1183
Characteristics				
Processing		Special Characteristics		
Injection Molding		Increased electrical conductivity, Anti-static		
Delivery form		Features		
Granules, Black		Copolymer		