

Product Texts

PA66 blend with partially aromatic content, 30% glass fibre reinforcement and heat stabilization. This Product is suitable for drinking water contact / coldwater. For all kind of injection moulding parts with high requirements to stiffness which a drinking water approval is needed.

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	11000 / 10800	MPa	ISO 527
Stress at break	215 / 200	MPa	ISO 527
Strain at break	3 / 4	%	ISO 527
Charpy impact strength, +23°C	80 / N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	11 / 12	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	260 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	235 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	245 / *	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	-

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Volume resistivity	1E12 / -	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E13	Ohm	IEC 62631-3-2
Electric strength	33 / -	kV/mm	IEC 60243-1
Comparative tracking index	600 / -	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
Water absorption	4.8 / *	%	Sim. to ISO 62
Humidity absorption	1.8 / *	%	Sim. to ISO 62
Density	1340 / -	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4 - 8	h	-
Processing humidity	≤0.1	%	-
Mold temperature	80 - 120	°C	-
Feed temperature	60 - 80	°C	-
Zone 1	260 - 290	°C	-
Nozzle temperature	270 - 300	°C	-
Maximum residence time	8	min	-

Characteristics

Processing

Injection Molding

Certifications

Drinking water contact

Delivery form

Pellets

Regional Availability

Europe

Special Characteristics

Heat stabilized or stable to heat