AURORA Kunststoffe GmbH
MEMBER OF MOL GROUP

AUROtron®
PEI 9700 3-GF30 bk

AUROtron® PEI 9700 3-GF30 bk is a glass-fiber-reinforced and regranulated high performance injection molding grade with excellent heat and chemical resistance. Contains sorted post-industrial plastic parts and sprues.

PROPERTIES	TEST CONDITION	UNIT	STANDARD	GUIDE VALUE	
				d.a.m.	cond.
RHEOLOGICAL PROPERTIES					
MVR	360°C. 5 Kg	cm³/10min	ISO 1133	-	-
Tensile modulus	1mm/min	MPa	ISO 527-1,-2	-	-
Stress at yield	5mm/min	MPa	ISO 527-1,-2	-	-
Strain at break	5mm/min	%	ISO 527-1,-2	-	-
Charpy impact strength	23°C	kJ/m²	ISO 179-1eU	-	-
Charpy notched impact strength	23°C	kJ/m²	ISO 179-1eA	-	-
THERMAL PROPERTIES					
Glass transition temperature	10°C/min	°C	ISO 11357-1,-3	217	-
HDT/A	1,8 MPa	°C	ISO 75,-1,-2	-	-
Burning behavior (UL94*)	1,5mm	Class	UL 94*	V-0	-
PHYSICAL PROPERTIES					
Density		kg/m³	ISO 1183	1350	-
Water absorption (saturation)	Water, 23°C	%	ISO 62	<0,02	-

PROPERTIES	TEST CONDITION	UNIT	STANDARD	GUIDE VALUE	
				d.a.m.	cond.
Water absorption (equilibrium)	23°C; 50 % r.h.	%	ISO 62	<0,02	-
PROCESSING GUIDELINES					
Drying temperature		°C		150	-
Drying time		h		3-4	-
Residual moisture content		%		<0,02	-
Melt temperature		°C		340-410	-
Mold temperature		°C		135-180	-

*Not accredited measurement

Disclaimer

Warranty, liability and typical properties

The data provided in this data sheet are based on the information available at the time of publication. No warranted characteristics and guarantee can be derived from this data. Product properties may be influenced and changed by a wide range of factors (e.g. tool design, processing conditions ...). We exclude any liability for improper use of the product described in this data sheet. The processor shall conduct comprehensive internal tests regarding the suitability of the product for the intended application.

This product contains recycled raw materials. Depending on the source and composition of the input streams, property deviations of approximately 10–20% are possible.

Our standard terms and conditions are to be applied.

Further information

This product is not permitted to be sold for use in medical applications involving any implantation in the human body or where contact with internal body fluids or tissues will equal or exceed 24 hours.

This product has to be stored under 30°C dry and protected from light.

Please contact our company for further informations (e.g. MSDS).

Trademarks

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Aurora Kunststoffe GmbH
Max-Eyth-Straße 14 – 16 . 74632 Neuenstein . T +49 7942/9142-0 . F +49 7942/9142-22
info@aurora-kunststoffe.de . www.aurora-kunststoffe.de