

DENYL 66 3010 F

PA66 resin 30% glass fiber reinforced, food contact grade for injection moulding



PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
PHYSICAL PROPERTIES				
Density	-	ISO-1183	g/cm ³	1,37
Linear Mould Shrinkage	-	ASTM D-955	%	0,5
Trasversal Mould Shrinkage	-	ASTM D-955	%	1
Water Adsorption	23°C-24h	ASTM D-570	%	1,1
THERMAL PROPERTIES				
Vicat Softening Point	VICAT B (50 N)	ASTM D-1525	°C	250
Heat Distortion Temperature	HDT A (1,80 MPa)	ASTM D-648	°C	250
Long Term Temperature	-	Internal Method	°C	140
MECHANICAL PROPERTIES				
Impact Strength Izod Notched	23 °C	ISO-180/A	kJ/m ²	10
Impact Strength Izod Unnotched	23 °C	ISO-180/U	kJ/m ²	65
Tensile Strength at Break	23 °C	ISO-527/1-2	MPa	170
Elongation at Break	23 °C	ISO-527/1-2	%	3
Tensile Modulus	23 °C	ISO-527/1-2	MPa	10000
ELECTRICAL PROPERTIES				
Comparative Tracking Index	-	IEC 60112	V	600
FLAME RESISTANCE				
Thickness 3,0 mm	-	UL 94	-	HB
Thickness 1,5 mm	-	UL 94	-	HB
Thickness 0,75 mm	-	UL 94	-	HB

