

DENILUB Z 45G 2SH Y

PPA/PA66 resin 45% glass fiber reinforced with improved slip properties for injection moulding, PFAS free



PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
PHYSICAL PROPERTIES				
Density	-	ISO-1183	g/cm ³	1,53
Linear Mould Shrinkage	-	ASTM D-955	%	0,3
Trasversal Mould Shrinkage	-	ASTM D-955	%	0,5
Water Adsorption	23°C-24h	ASTM D-570	%	0,25
THERMAL PROPERTIES				
Vicat Softening Point	VICAT B (50 N)	ASTM D-1525	°C	240
Heat Distortion Temperature	HDT A (1,80 MPa)	ASTM D-648	°C	260
Long Term Temperature	-	Internal Method	°C	140
MECHANICAL PROPERTIES				
Impact Strength Izod Notched	23 °C	ISO-180/A	kJ/m ²	8
Impact Strength Izod Unnotched	23 °C	ISO-180/U	kJ/m ²	60
Tensile Strength at Break	23 °C	ISO-527/1-2	MPa	190
Elongation at Break	23 °C	ISO-527/1-2	%	2
Tensile Modulus	23 °C	ISO-527/1-2	MPa	15000
Flexural Strength	23 °C	ASTM D-790	MPa	290
Flexural Modulus	23 °C	ASTM D-790	MPa	15000
ELECTRICAL PROPERTIES				
Comparative Tracking Index	-	IEC 60112	V	600
FLAME RESISTANCE				
Thickness 3,2 mm	-	UL 94	-	HB
Thickness 1,6 mm	-	UL 94	-	HB