

Technical Data Sheet



ALPERFORM PA IM NC2595-14

Base Polymer	Polyamide 66
Special Features	high impact modified, heat stabilised
Application Area	cable ties

Pre-Drying Conditions	in a dry air (dessiccant) dryer <80 °C for 2-12 h dependant on moisture content max. moisture content <0,15 %
Processing Injection Moulding	melt temperature 270-290 °C mould temperature 40-80 °C
Storage	dry, protected from light not above 30°C
Minimum Shelf Life	months <24

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	2000	MPa	ISO 178
Flexural Strength	80	MPa	ISO 178
Tensile Modulus	2100	MPa	ISO 527
Tensile Strength	53	MPa	ISO 527
Tensile Elongation at Break	35	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	no break	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	65	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	10	kJ/m²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	59	°C	ISO 75-1/-2
DSC (Melt Point)	260	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	1 - 1.4	%	ISO 294-4
Shrinkage (lateral, 24h)	1.3 - 1.7	%	ISO 294-4
Physical Properties			
Density	1090	kg/m³	ISO 1183