

# DENYL 6 0037 ST

PA6 resin unfilled, impact modified for injection moulding



PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
<b>PHYSICAL PROPERTIES</b>				
Density	-	ISO-1183	g/cm <sup>3</sup>	1,06
Water Adsorption	23°C-24h	ASTM D-570	%	2,2
<b>THERMAL PROPERTIES</b>				
Vicat Softening Point	VICAT B (50 N)	ASTM D-1525	°C	160
Heat Distortion Temperature	HDT A (1,80 MPa)	ASTM D-648	°C	50
Long Term Temperature	-	Internal Method	°C	70
<b>MECHANICAL PROPERTIES</b>				
Impact Strength Izod Notched	23 °C	ISO-180/A	kJ/m <sup>2</sup>	60
Impact Strength Izod Unnotched	23 °C	ISO-180/U	kJ/m <sup>2</sup>	NB
Tensile Strength at Break	23 °C	ISO-527/1-2	MPa	40
Elongation at Break	23 °C	ISO-527/1-2	%	>100
Tensile Modulus	23 °C	ISO-527/1-2	MPa	1600
Flexural Strength	23 °C	ASTM D-790	MPa	60
Flexural Modulus	23 °C	ASTM D-790	MPa	1500
<b>ELECTRICAL PROPERTIES</b>				
Comparative Tracking Index	-	IEC 60112	V	600

