

<b>PROPERTIES</b>	<b>Method</b>	<b>Unit</b>	<b>Typical Values</b>
<b>PHYSICAL</b>			
Melt Density	internal	g/ml (g/cm <sup>3</sup> )	<b>1,08</b>
Moulding shrinkage, parallel	ISO 294-4	%	<b>1,4 ÷ 1,8</b>
Humidity absorption, 2mm	ISO 62	%	<b>2,0</b>
Rockwell Hardness	ASTM D785	-	<b>110R</b>
Resin Identification	ISO1043	-	<b>PA66-HI</b>
Part Marking Code	ISO11469	-	<b>&gt;PA66-HI&lt;</b>
ISO Designation	ISO 16396-PA66-I,,M1G1L1NR,S14-020		
<b>MECHANICAL</b>			
Yield stress	ISO 527	MPa	<b>56</b>
Yield stain	ISO 527	%	<b>6</b>
Tensile Modulus	ISO 527	MPa	<b>2400</b>
Flexural Strength	ISO 179	MPa	<b>66</b>
IZOD Impact strength, notched ( 23°C)	ISO 180	KJ/m <sup>2</sup>	<b>N.B.</b>
IZOD Impact strength, notched ( -30°C)	ISO 180	KJ/m <sup>2</sup>	<b>29</b>
<b>THERMAL</b>			
HDT 1,82 Mpa (Method A)	ISO 75	°C	<b>66</b>
Melting temperature, 10°C/min	ISO 11357-1/-3	°C	<b>262</b>
Glass transition temperature, 10°C/min	ISO 11357-1/-2	°C	<b>75</b>
<b>FLAME RESISTANCE</b>			
Oxygen Index (LOI)	ASTM D2863	%	-
Flame resistance (3,2 mm)	UL94	Class	<b>HB</b>
Glow Wire Flammability Index, 0.75mm	IEC 60695-2-12	°C	<b>725</b>
<b>PROCESSING CONDITIONS</b>			
Cylinder temperature	-	°C	<b>275 ÷ 295</b>
Die	-	°C	<b>60 ÷ 120</b>
Back pressure	-	bar	<b>750 - 1250</b>
Injection speed	-	-	<b>medium-high</b>
Ejection temperature	-	°C	<b>190</b>
Drying process	-	hours - °C	<b>4h/90°C</b>