

**DURANEX® 3105**

PBT-GF15

Polyplastics

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Strength	<b>105</b>	MPa	ISO 527
Strain at break	<b>2.5</b>	%	ISO 527
Flexural modulus, 23°C	<b>5330</b>	MPa	ISO 178
Flexural strength	<b>160</b>	MPa	ISO 178
Charpy notched impact strength, +23°C	<b>5.8</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Rockwell hardness	<b>M 100</b>	-	ISO 2039-2

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>207</b>	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	<b>40</b>	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	<b>100</b>	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	<b>HB</b>	class	IEC 60695-11-10
Yellow Card available	<b>yes</b>	-	-

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Volume resistivity	<b>5E13</b>	Ohm*m	IEC 62631-3-1
Electric strength	<b>20</b>	kV/mm	IEC 60243-1

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1410</b>	kg/m <sup>3</sup>	ISO 1183

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Mold temperature	<b>70</b>	°C	-
Zone 1	<b>200</b>	°C	-
Zone 2	<b>220</b>	°C	-
Zone 3	<b>240</b>	°C	-
Zone 4	<b>250</b>	°C	-
Injection speed	<b>58</b>	mm/s	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Asia Pacific