

Technical Data Sheet

**Polyflam 52N5006NG6103GRY**



Polycarbonate

**Product Description**

Polyflam 52N5006NG6103GRY is a Polycarbonate material.

**Forms** Pellets  
**Additive** Flame Retardant

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (300 °C/1.2 kg)	10	g/10 min	ASTM D1238
Density - Specific Gravity	1.22	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Tensile Strength at Yield	62.1	MPa	ASTM D638
Flexural Modulus	2340	MPa	ASTM D790
<b>Impact</b>			
Gardner Impact	>36.2	J	ASTM D5420
Notched Izod Impact	690	J/m	ASTM D256
<b>Thermal</b>			
Deflection Temperature Under Load Unannealed (264 psi)	127	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	129	°C	ASTM D648
RTI Str	93.3	°C	UL 746B
<b>UL Information</b>			
Flame Rating			
(1.5 mm)	V-2		UL 94
(3.0 mm)	V-0		UL 94