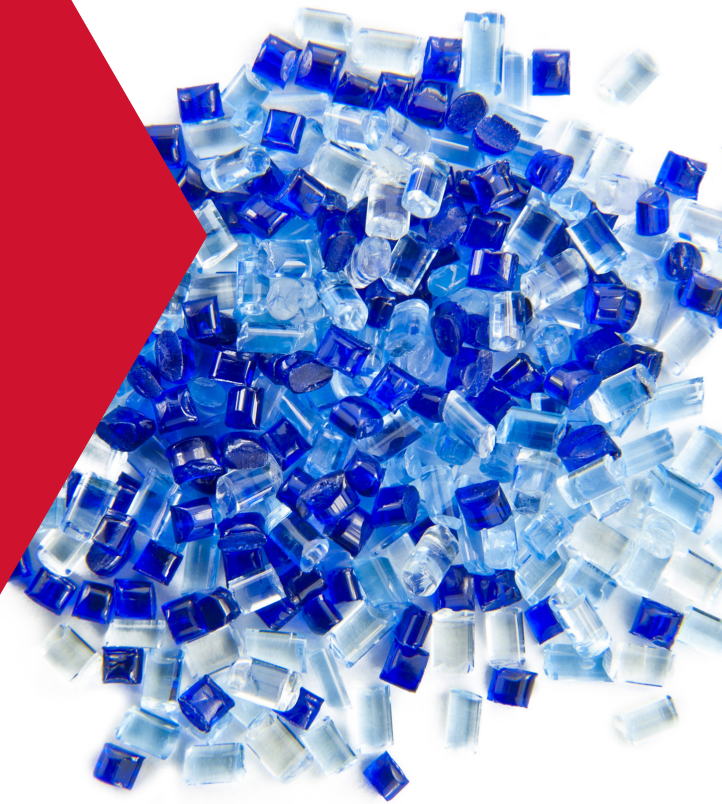


POLYMER
COMPOUNDERS
LIMITED

Introducing the **Notoxicom[®]** product family

“World’s first UL94 V0 at 0.75mm halogen and aryl phosphate ester free FR PC/ABS and FR PC/ASA materials that do not compromise on material properties.”



Call For More Info

+44 (0) 191 378 3737



Why Choose **Notoxicom[®]**

Notoxicom[®] B6000 (FR PC/ABS) and Notoxicom[®] S6000's (FR PC/ASA) properties can be broken down and summarised into the following:

- ✓ To be a material with a Halogen and aryl phosphate ester free classification, which has a very favourable toxicity profile when compared with all other halogenated and aryl phosphate flame-retardant materials
- ✓ A material that does not migrate from host plastic
- ✓ A material that does not “bioaccumulate”
- ✓ A better melt processable material
- ✓ Notoxicom[®] B6000 and Notoxicom[®] S6000 also maintain their physical properties and attributes in all areas compared with halogenated and liquid non halogenated flame-retardant materials

About **Notoxicom[®]**

Notoxicom[®] is our registered trade name for our specialist “halogen and aryl phosphate ester free” flame retardant polymers. What makes these materials special is that they retain industry-leading performance whilst being vastly safer products. Within this range, we have polymers to suit a whole range of applications from battery casings to state of the art medical devices.

The Product Family

Over time our Notoxicom[®] family of products will grow to support the innovation of our customers. Currently, we have two main grades within the range to choose from.



Notoxicom[®] B6000 (FR PC/ABS)

Notoxicom[®] B6000, being the slightly tougher of the two products with an impact of 46 kJ/m² would be an excellent choice for highly specialised automotive applications such as EV battery casings or applications that require toughness, with exceptional flame retardancy.




Notoxicom[®] S6000 (FR PC/ASA)

Notoxicom[®] S6000, with its great weathering capabilities, is an excellent choice for any outdoor application that also requires class-leading flame retardancy.

Scan the QR Code
for more information.



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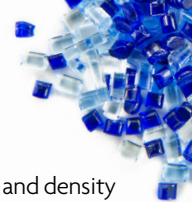


Notoxicom® B6000

Acrylonitrile Styrene Butadiene/Polycarbonate

Notoxicom® B6000 is a UL94 Halogen Free 0.75mm V0 Flame Retardant rated PC/ABS with superior heat, impact and density performance.

Scan the QR code to view the full Notoxicom® B6000 technical datasheet.



Typical Properties	Typical Value	Unit	Test Method based on
Density	1150	Kg/m ³	ISO 1183
Izod Notched Impact (RT)	46	kJ/m ²	ISO 180/1A
Vicat Softening Point (B/50)	125	Deg C	ISO 306
Mould Shrinkage	0.4 - 0.7	%	ISO 294
Melt Flow (260°C/5kg)	18	g/10 min	ISO 1133
Glow Wire Flammability Index 3mm	960	Deg C	IEC 60695-2-11
Flammability (1.5mm)	V0	—	UL94
Flammability (0.75mm)	V0	—	UL94



Notoxicom® S6000

Acrylonitrile/Acrylate/Styrene-Polycarbonate

Notoxicom® S6000 is an enhanced heat deformation, 0.8mm V0 rated flame retardant ASA blend.

***All tests except GWF and UL94 V0 are internal PCL tests. Further external testing is ongoing.**

Scan the QR code to view the full Notoxicom® S6000 technical datasheet.

Typical Properties	Typical Value	Unit	Test Method based on
Melt Flow (260°C/5kg)	15	g/10 min	ISO 1133(B)
Flexural Modulus	2450	MPa	ISO 527
Tensile Strength at Yield	62	MPa	ISO 527
Izod Notched Impact	15	kJ/m ²	ISO 180/1A
Glow Wire Flammability	960 (3mm)	Deg C	BS EN 60695-2-11:2014
Vicat Softening Point (50°C/50N)	125	°	ISO 306
Density	1150	Kg/m ³	ISO 1183
Flammability (1.5mm)	V0	—	UL94
Flammability (0.8mm)	V0	—	UL94

All data given is typical product data and does not represent minimum values. The actual value may vary depending on colour and additives. All information supplied by or on behalf of PCL in relation to its products whether in the nature of data, recommendations or otherwise is supported by research and believed reliable, but PCL assumes no liability whatsoever in respect of application, processing or use of aforementioned products, or any consequences thereof. No liability whatsoever shall attach to PCL for any infringement of the rights owned or controlled by a third party in intellectual, industrial or other property by reason of the application, processing or other use of the aforementioned information or products by the user. The user undertakes all liability in respect of the application, processing or use of the aforementioned information or product, whose properties he shall verify or any consequence thereof.

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