



Diakon® PMMA from Lucite International

With 60 years' heritage in the acrylics industry, Lucite International has a depth of application expertise which, coupled with its flexible assets, enables it to develop bespoke product solutions in partnership with its distributors and customers.

Distrupol's long-standing relationship with Lucite International means we can expertly deliver the Diakon® portfolio PMMA solutions for the most demanding and complex of acrylic projects.

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Distrupol is your supply partner for Lucite International polymers. Contact us today to find out more.





Distrupol is a leading polymer distributor with 60 years of excellence, innovation and expertise in the sales and application development of thermoplastic polymers and elastomers.

Our team of highly experienced sales people is able to meet your requirements and exceed your expectations, whilst adding value to your business. The team is supported in every market by our development engineers, who have an unrivalled knowledge of every aspect of polymer technology including design of parts and moulds, polymer selection to achieve best performance, troubleshooting and optimising the production of parts.

Our long term partnerships with world class suppliers strengthen our knowledge and give us an extensive range of high quality products to provide a material solution for every application. All of our suppliers are REACH compliant and all of the Distrupol businesses are fully accredited to ISO 9001:2008.

The Distrupol portfolio contains products and solutions that fulfil the requirements of leading and emerging industries. The range is accompanied by certifications and approvals for the automotive, medical, food and electrical industry.

Warehouses across Europe support us to offer next day delivery in multiple regions. Materials are available from 25kg bags to full truckloads, octabins, big bags and bulk delivery. Whenever required, we can repack material in our warehouse into the desired packaging.

Discover the real value that Distrupol can add to your business.

[Design, Develop and Deliver with Distrupol.](#)

Diakon® PMMA

Diakon® standard grades offer superb transparency with unbeatable light transmission for a clear thermoplastic. With best-in-class UV and weathering resistance, and options for improved impact, chemical and heat resistance, Diakon® grades suit a versatile selection of applications including in the automotive, building and construction, consumer and electronics industries. Customised colours and the choice of high gloss or matte finishes are also available for a complete PMMA solution.

Diakon® Scratch Resistance provides improved scratch and abrasion resistance, with exceptional high gloss (and gloss retention), and excellent weatherability in a range of clear and colour options.

Diakon® Light Plus offers improved light transmission. It provides smooth, even illumination across the surface which hides even the most intense LED light sources behind.

Diakon® Rapide enables a dramatic reduction in cycle time and production cost whilst maintaining all the properties demanded of a high-quality acrylic part. It exhibits improved thermal properties whilst maintaining the high flow required for intricate moulding.

Diakon® Frost has been developed for profile and street extrusion in applications such as architectural roofing and canopies.

Diakon® ST series is a range of enhanced impact grades which offer improved stress craze resistance, enhanced impact properties, good surface hardness and greatly superior elongation values

Diakon® Specialities offer enhanced chemical resistance grades, frosted grades, high flow grades, increased mould release grades for complex shapes, specific extrusion grades, and more.

Elvakon® PMMA

Elvakon® PMMA is designed for use in co-extrusion technologies using ABS, PVC or HIPS as a substrate. With an Elvakon® capping layer of just 100 microns, you can combine the best properties of PMMA with the best properties of your chosen substrate to achieve the perfect result.

With a choice of high gloss, matte or textured finishes, Elvakon® provides class-leading weathering performance, bright vibrant colours with excellent long-term retention, improved chemical resistance, improved scratch resistance, and improved slip resistance.

Diakon® PMMA compared to other thermoplastics

Material	Property	Benefits of Diakon®
PC	<ul style="list-style-type: none"> • Weathering • Clarity • Scratch resistance • Melt processing 	<ul style="list-style-type: none"> • Superior weatherability and property retention • Superb optical clarity and light transmissio • Improved scratch and abrasion resistance • Ease of processing
ASA	<ul style="list-style-type: none"> • Clarity • Rigidity • Weathering 	<ul style="list-style-type: none"> • Transparent • Good rigidity • Superb weathering, colour and gloss retention
SAN	<ul style="list-style-type: none"> • Weathering • Scratch resistance • Clarity 	<ul style="list-style-type: none"> • Excellent weatherability • Improved scratch resistance • Improved optical properties
PS	<ul style="list-style-type: none"> • Weathering • Scratch resistance • Clarity 	<ul style="list-style-type: none"> • Superior resistance to UV exposure • Excellent scratch resistance • Superior optical clarity
Transparent ABS	<ul style="list-style-type: none"> • Weathering • Clarity • Heat resistance • Scratch resistance 	<ul style="list-style-type: none"> • Superior weatherability and UV resistance • Increased optical clarity and edge colour • Improved heat resistance • Improved scratch resistance

