

NEW COMPOUNDS FOR LED APPLICATIONS

Use of LEDs in the lamp industry is growing rapidly. The requirements of compounds for this industry especially with the high demand in living space are more and more differentiated. Lampshades or covers for LED lighting strips request a homogeneous light diffusion without visual appearance of the LED hotspots.

EN-LIGHT

For this SITRAPLAS introduced the EN-Light product range based on different resins. Depending on the specification, the material can scatter or block the LED light. Due to our numerous customers in the automotive industry, we have extensive experience in customizing color of transparent and translucent compounds. Our customers benefit from this know-how by offering solutions for new applications in the furniture, electronic and building industries including light guiding, light scattering or light blocking elements.

In addition, thermal conductive plastics for specific thermal deflection of lighting systems are especially important for the lighting industry. For this reason, SITRAPLAS also combined these compounds in the EN-LIGHT product range.

Please contact us for a personal consultation.

Together in a collaborative research project with different manufactures and R&D groups, we have created a network of expertise for thermally conductive polymers. The goals are to find new applications for such polymers or find new solutions regarding functionality or production capability in existing fields of application.

With modern production facility as well as testing and analyzing equipment, SITRAPLAS can ensure a constant quality of high demanding compounds. Together with our sales managers and process engineers, we can assist you in selecting a suitable product for your specific application. SITRAPLAS is a reliable partner offering you a tailor-made solution.



OUR PRODUCT RANGE FOR YOUR LED APPLICATIONS:

Article No.	Name	Vicat (°C)	Light Transmission (%)		Haze (%)
		B50/50	1 mm	2 mm	2 mm
11803	SITRAMAC® (PMMA) EL-A20-UV	103	86	79	97
11804	SITRAMAC® (PMMA) EL-A40-UV	103	81	67	99
11806	SITRAMAC® (PMMA) EL-B40-UV	103	81	67	98
11808	SITRASUR (PC) EL-C05-UV	122	84	72	98
11809	SITRALON® (PC) EL-D20-UV	141	86	76	98
11810	SITRALON® (PC) EL-D40-UV	140	80	63	99
11812	SITRALON® (PC) EL-E60-UV	141	83	73	96
11813	SITRALON® (PC) EL-F05-UV	141	85	82	77
11814	SITRALON® (PC) EL-F10-UV	141	84	80	92
11815	SITRALON® (PC) EL-F20-UV	141	83	67	98
11816	SITRALON® (PC) EL-C05-UV	142	81	67	98
11817	SITRALON® (PC) EL-C10-UV	142	74	57	99
11819	SITRALON® (PC) EL-G40-UV	141	82	80	73

