

LNPTM Copolymer Resins Solutions in Consumer Electronics Industry

Copolymer resin provides differentiated value propositions in consumer electronics which are mainly: Low temperature impact resistance (Minimum -60°C) as per compared with standard PC, has enhanced chemical and weather resistance. Glass fiber reinforced grades will also have better toughness. These products are available in flame retardant and non flame retardant ranges. Majority of them can be matched to multiple color requirements.

Housing Components

EXL1414(T) EXL1132(T) MPX 1, MPX 2, FXEMPX1, FXEMPX2 EXL9414,EXL9112,EXL9111...

Rigid Frame Material (Glass Fiber Reinforced)

EXL4419 EXL5689 PC+10GF HFD4271 PC+20GF HFD4472 EXL4412 ...

Light Shielding Material

PC FXE1414L PC+10GF FXE4271L PC+20GF FXE4472L



Post Consumer Recycling **Environmental Friendly** Material EXL8414 25% PCR EXL8134 30% PCR EXL8454 50% PCR EXL8483 80% PCR EXL9414TRC 21% PCR

New Developed Grades

Meeting fast charging and flame retardant requirements. Match IMT process, high flow and high impact new material. IEC62368 **EXL9111**

20% Reinforced Glass Fiber Copolymer new material EXL4412

Scratch resistance, high Impact resistance and excellent chemical resistance transparent new material

SLX2466T

High heat resistance, high definition transparency, high refractive index and wide molding window new material. CXT17/CXT19

Conform to fast charge flame retardant requirements, aligning with IMT* process, high flow and high impact new material - EXL9111 IMT*: Insert Mold Three-dimensional Technology



Retaining superior toughness after paint spraying/coating UL flammability rating V1@0.8mm, V0@1.2mm, comply with IEC62368 requirements Chlorine-free, bromine-free, halogen-free High flowability for thin wall large format products Excellent impact resistance Hardened Laver Anti UV Coating -3D Grating layer SiO2/TiO2 (PVD)







Scratch resistance, high impact resistance, excellent chemical resistance transparent new material –SLX2466T

Ink Laver EXL9111 (EXL Copolymer resin)



Superior impact resistance

High transparency similar to light transmittance of standard PC Excellent chemical resistance that passed banana boat resistance test

Test Methods / Grade	SLX2466T	EXL1414T	Du*	DMX	PMMA
Pencil Hardness (Substrate)	HB-F	5B-3B	HB-H	Н	2H
Pencil Hardness (after hardening)	4H	Н	4H	4H	4-5H
Izod Notched Impact Strength -J/m	300-500	800	80-120	~30	~10
Chemical resistance	+++++	+++	++++	++++	+++

Contact Us

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EXL Copolymer Resins Solutions in Consumer Electronics Industry

EXL Copolymer Resins: Low Temperature, High Impact, Opaque Material Solutions



EXL Copolymer Resins: Low Temperature, High Impact Resistance with Post Consumer Recycling Material Solutions at Canauna an

		(300C, 1.2Kg)		Recycling Content		
EXL Copolymer resins - PCR	Non FR	10	EXL8414	25%	UL-94, HB@0.75 mm	
		- 15	EXL8134	30%	UL-94, HB@0.75 mm	
		10	EXL8454	50%	UL-94, HB@0.75 mm	
	ECO FR	10	EXL8483	80%	UL-94, HB@0.75 mm	
		10		240/		
		L	EXL94141RC	21%	0L-94, VO@1.5 MM	

EXL Copolymer Resins: Low Temperature, High Impact Resistance and Transparent Material Solutions



EXL Copolymer Resins: Reinforced Glass Fiber, Rigid Material Solutions



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