

Product Texts

LNP ELCRES CRX9421 is a semi-crystalline Polycarbonate (PC) copolymer/Polybutylene Terephthalate (PBT) opaque blend. This grade offers medium flow, UL V0 rating @ 1.5 mm, and high ductility in combination with excellent chemical resistance. It is available for custom coloring and may be an excellent candidate for a wide variety of applications that need improved chemical resistance.

UL Yellow Card Link [E121562-104417000](https://www.ul.com/yellow-card/E121562-104417000)

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	11.5	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	5	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	1985	MPa	ASTM D 638
Tensile Strength at Yield	44	MPa	ASTM D 638
Tensile Strength at Break	36	MPa	ASTM D 638
Elongation at Yield	4	%	ASTM D 638
Elongation at Break	59	%	ASTM D 638
Flexural Modulus	1985	MPa	ASTM D 790
Izod Impact notched, 1/8 in	590	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	150	J/m	ASTM D 256
Temperature	-30	°C	-
Izod Impact unnotched, 1/8 in	N	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
ASTM Data			
DTUL @ 66 psi	118	°C	ASTM D 648
DTUL @ 264 psi	66	°C	ASTM D 648
Vicat Temperature	131	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	1300	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	240 - 255	°C	-
Mold temperature	50 - 70	°C	-
Zone 1	225 - 240	°C	-
Zone 2	230 - 245	°C	-
Zone 3	235 - 250	°C	-
Screw speed	50 - 100	rpm	-
Back pressure	0.3 - 0.7	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Chemical Resistance

General Chemical Resistance