PRODUCT LINE GUIDE: LEXANTM COPOLYMER RESINS



LEXAN EXL resin



- Impact: best-in-class ductility to -60℃, outstanding bal ance of ductility and flow
- Weatherability: excellent retention of mechanical properties upon outdoor exposure
- Aging: better retention of properties vs. standard polycarbonate after heat/humidity
- Flame retardancy: FR grades to be used in many ECO-compliant applications
- Knitline strength: significant improvement over PC/ABS materials
- Chemical resistance: improved chemical resistance to some chemicals compared to standard polycarbonate

LEXAN SLX resin



- Compared to acrylic resins: higher heat, greater toughness, higher refractive index
- Compared to ASA resins: higher impact, higher heat, transparency possibilities, improved depth of color
- Compared to UV polycarbonate resins: retention of clarity, color, gloss and mechanical properties
- Compared to fiber reinforced polyester (FRP): retention of color and gloss, lower environmental emissions, transparency possibilities, improved depth of color

LEXAN XHT resin



- Flexible heat resistance capabilities highest RTI clear material
- Improved processability at equivalent heat allows for cost savings through design of thinner wall sections
- Outstanding surface aesthetics
- Superior retention of part aesthetics after thermal aging
- Excellent metalized surface finish improves yield

LEXAN FST resin



- Superior flame, smoke and toxicity performance
- Meets OSU 55/55 requirements and EN45545 rail norm
- Broad color range, including high chroma and bright white colors
- Enhanced chemical resistance compared to standard polycarbonates

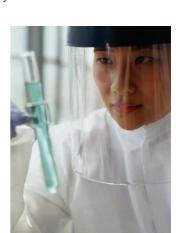
LEXAN HFD resin

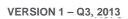


- Easy release and easy molding
- Exceptional processing
- Superior flow / ductility
- PC like clarity
- Glossy surface finish with glass filled

LEXAN CFR resin

- Good extrusion capability and good processability
- Thin wall UL ratings (V0/5VA) with transparency
- UV stabilized
- · Non-chlorine and non-brominated flame retardant
- Diffusion and transparent with high forward transmission





PRODUCT LINE GUIDE LEXANTM COPOLYMER RESINS - PORTFOLIO

MVR: 300°C/1.2kg, cm 3 /10min, 1 MVR: 300°C/2.16kg, cm 3 /10min; Flexural Modus, 2mm/min, MPa; IZOD Impact, notched 23°C kJ/m 2 ; VICAT Softening Temp , Rate B/120°C; UL94 Flame C lass Rating

·	MVR	Flex Mod	Vicat	IZOD	Density	UL
LEXAN EXL resin						
EXL1112(T)	16	2240	145	747	1.19	-
EXL1414(T)	9	2250	146	865	1.19	94HB/0.4
EXL1810T	33	2250	140	702	1.19	94HB/1.5
EXL4419	10	3300	146	280	1.25	-
EXL5689	8	3400	146	340	1.26	94V-0/1.5
EXL9112	16	2300	144	731	1.19	94V-0/1.52
EXL9134	15	2100	141	785	1.19	94V-0/1.5
EXL9330	9	2200	142	801	1.19	94V-0/1.49
LEXAN SLX resin						
SLX1432	9	2390	140	860	1.23	-
SLX2271T	16	2450	137	780	1.2	94V-2/1.5
LEXAN XHT resin						
XHT2141	43 ¹	2300	162	115	1.2	-
XHT3141	30 ¹	2500	170	97	1.2	94HB/1.5
XHT4141	24 ¹	2600	181	93	1.21	94HB/1.5
LEXAN FST resin						
FST3403	10	2700	115	130	1.33	-
FST9705	4	2320	139	194	1.34	-
LEXAN HFD resin						
HFD1810	38	2180	130	728	1.2	-
HFD4412	14	5850	143	109	1.35	94HB/0.3
LEXAN CFR resin						
CFR7630	5	2500	139	100	1.2	94V-0/1
CFR9111	17	2400	140	600	1.2	94V-0/1.5
LEXAN LUX grades						
LUX913xC*	17	2400	140	100	1.2	94V-0/1.5
LUX743xC*	9	2450	139	100	1.2	94V-0/1.2
LUX763xC	5	2500	139	100	1.2	94V-0/1
* Different varieties in diffusion – based on grade						
LEXAN HP resin		-				
HPH4504H	3	2120	155	640	1.2	94V-2/1.47
HPX4(R)(EU)	9	2150	142	890	1.19	94V-2/2.5
HPX8(R)(EU)	33	2250	140	702	1.19	94HB/1.5

Please consult our product brochures or company website to view our complete portfolio.

PRODUCT LINE GUIDE: LEXANTM COPOLYMER RESINS



Consumer Electronics

- Superior flow ductility balance
- Chemical resistance
- Knitline strength
- Glossy GF surface
- Aesthetics deep colors
- IML/IMD suitable properties

Portfolio

LEXAN EXL, HFD series

Automotive

- Superior metallization for bezels
- High flow and processing ease
- Design flexibility with performance
- Glossy interior trim
- High impact after heat /humidity aging

Portfolio

Lighting Bezels:

LEXAN XHT series

Interior:

LEXAN EXL, SLX series

Mass Transportation

- Low flame, smoke density and toxicity
- OSU, FAR 25.853, EN45545 compliant
- High chroma custom colors
- Individual lot certification

Portfolio

LEXAN FST series



Electrical & Lighting

- Balance of FR and electrical properties (CTI, RTI, UL ratings, GWIT)
- Flow ductility balance (-40 C ductility)
- Suitable for PV connectors
- Hi transmission with FR properties
 - clear and diffuse for LED lighting

Portfolio

Electrical (connectors, meter covers):

LEXAN EXL, SLX, CFR series

LED Lighting (covers, lenses, outdoor)

LEXAN LUX, SLX series



Healthcare

- Meets ISO10993
- Different heat levels
- Gamma, autoclave sterilization
- Chemical resistance to lipids, disinfectants
- Clarity with high impact strength
- Superior flow ductility balance

Portfolio

LEXAN HPX, HPH, HPF series

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