

LEXAN™ RESINS

LEXAN™ polycarbonate resins are amorphous engineering thermoplastics characterized by a high level of mechanical, optical, electrical and thermal properties.

GENERAL PURPOSE		MVR/ MFR	FLEXURAL MODULUS	HDT	IZOD IMPACT	UL94 LISTING
16xR	High viscosity, multi-purpose grade.	9	2300	127	70	HB/1.1-0.75mm
14xR	Medium viscosity, multi-purpose grade.	12	2300	125	70	HB/0.75mm
12xR	Low viscosity, multi-purpose grade.	21	2300	122	65	HB/0.75mm
20xR	High viscosity, unreinforced, containing release, UL94 V2.	6	2300	127	70	V2/0.75mm
24xR	Medium viscosity, unreinforced, containing release, UL94 V2.	12	2300	125	70	V2/0.75mm
22xR	Low viscosity, unreinforced, containing release, UL94 V2.	21	2300	122	65	V2/0.75mm
OPTICAL						
OQ1028	High viscosity, high purity resin for CD/DVD and BD applications at short cycle times.	*9	2300	122	15	–
OQ4120R	low viscosity , UV cut off up to 400nm, greater optical purity than standard grades.	21	2300	122	70	–
OQ4820	High viscosity, UV cut off up to 400nm, greater optical purity than standard grades	6	2300	127	70	–
FDA						
PK2870	High viscosity, branched, blow molding. Designed for water bottle applications.	4	2300	130	75	–
104R	High viscosity multipurpose grade, containing release.	6	2300	127	70	HB/1.5mm
HF1840R	Low viscosity, designed for thin wall applications and high flow lengths, containing release.	36	2300	121	55	–
HF1140R	Low viscosity, designed for applications that require thin wall sections and high flow lengths.	26	2300	121	60	V2/1.1mm
AUTOMOTIVE LIGHTING						
LS1	Low viscosity, headlamp lenses, AMECA listed.	21	2300	122	65	HB/0.75-3.0mm
LS2	Medium viscosity, headlamp lenses, AMECA listed.	12	2300	125	70	HB/0.75-3.0mm
XLS1110	Low viscosity, best flow- impact balance, LED, primary optic light bar.	35	2300	122	57	V2/0.8mm

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EXTRUSION		MVR/MFR	FLEXURAL MODULUS	HDT	IZOD IMPACT	UL94 LISTING
103(R)	Linear PC, High viscosity multipurpose grade, UV stabilized, containing release.	6	2300	127	70	HB/0.75mm
133R	Linear PC, High viscosity, UV stabilized, containing extra release.	3	2300	128	75	HB/0.75mm
EX1332T	Branched PC, High viscosity, multiwall sheet >15mm & Profiles.	3	2300	130	75	HB/0.8mm
EX1632T	Branched PC, High viscosity, multiwall sheet <15mm & Profiles.	6	2300	130	75	HB/0.8mm
EX7681T	Coextrusion product highly UV stabilized good processing.	10	2300	–	–	–
EX5681T	Coextrusion product UV stabilized improved processing.	10	2300	–	–	–
EX8681T	Coextrusion product highly UV stabilized excellent processing.	10	2300	–	–	–
EX6681T	Coextrusion product UV stabilized excellent processing.	10	2300	–	–	–
EX9332T	Branched PC, High Viscosity, multiwall sheet > 15mm & Profiles	3	2350	135	10	V0/1.5mm
LIGHTING						
LUX2010T	Low viscosity, injection molding grade, for optical parts high transmission & color stability.	35	2300	122	57	V2/0.8mm
LUX2110T	Medium viscosity, injection molding grade, for optical parts, high transmission & color stability.	18	2300	122	65	V2/0.8mm
LUX2180T	Medium viscosity, injection molding grade, for optical parts, high transmission & color stability, UV.	18	2300	122	65	V2/0.8mm
LUX2114G	Medium viscosity, injection molding grade, containing release, UV stabilized.	18	2300	–	65	V2/0.75mm /3mm
LUX2614G	High viscosity, extrusion grade, UV stabilized, containing release.	7	2300	–	–	V2/0.75mm /3mm
LUX2289	Medium viscosity, injection molding, with high light reflectivity ~97%, UV stabilized.	16	2500	123	52	V2/1.5mm
LUX2619	High viscosity, extrusion grade, with high light reflectivity ~97%.	7	2500	141	64	V2/1.5mm
LUX2819	High viscosity, extrusion grade.	3	2500	140	65	V2/1.5mm
	Standard Unit	ISO1033 g/10min # g/10min	ISO178 MPa	ISO75/Ae °C	ISO180/1A kJ/m²	UL94 Flame class rating x mm
	Condition	300°C/1.2kg * 250°C/1.2kg	2mm/min	1.8MPa	Notched +23°C	

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