

LEXAN™ FR RESINS

LEXAN™ flame retardant (FR) resins are amorphous engineering thermoplastics characterized by enhanced levels of mechanical, optical, electrical and thermal properties. These materials typically have UL94 listing and offer a wide variety of product options.

THIN WALL		MVR/ MFR	GF%	FLEXURAL MODULUS	HDT	UL94 LISTING
905	Low viscosity, unreinforced, non-brominated, non-chlorinated FR.	29	0	2300	118	V0/1.1mm
915R	Medium viscosity, unreinforced, non-brominated, non-chlorinated FR, opaque colors.	18	0	2300	122	V0/1.1mm
916R	Medium viscosity, unreinforced, non-brominated, non-chlorinated FR, limited colors	18	0	2300	122	V0/0.8mm
925(U)	Medium viscosity, unreinforced, non-brominated, non-chlorinated FR.	13	0	2300	124	V0/1.1mm
945(U)	Medium viscosity, unreinforced, non-brominated, non-chlorinated FR.	9	0	2300	125	V0/1.0mm
955	Medium viscosity, unreinforced, non-brominated, non-chlorinated FR.	7	0	2300	125	V0/1.5mm
3412ECR	High viscosity, reinforced, non-chlorinated, non-brominated FR, opaque colors.	7	20	5500	136	V0/1.5mm
505R(U)	High viscosity, reinforced, opaque colors, non-brominated, non-chlorinated FR.	8	10	3400	136	V0/1.5mm
515RU	High viscosity, reinforced, non-brominated, non-chlorinated FR.	9	10	3600	132	V0/1.5mm
BFL2015	High viscosity, non-brominated, non-chlorinated FR, reinforced opaque colors only	6	15	4280	141	V0/1.5mm
ML3019	Medium viscosity, reinforced, non-brominated, non-chlorinated FR.	8	10	3400	135	V0/1.5mm
905AU	Low viscosity, unreinforced, non-chlorinated, non-brominated FR, all colors, UV	27	0	2200	125	V0/2.5mm
915AU	Low viscosity, unreinforced, non-chlorinated, non-brominated FR, UV.	21	0	2400	123	V0/3.0mm
925A(U)	Medium viscosity, unreinforced, non-brominated, non-chlorinated.	13	0	2300	124	V0/3.0mm
945A(U)	Medium viscosity, unreinforced, non-brominated, non-chlorinated, transparent colors	10	0	2300	125	V0/3.0mm
955AU	High viscosity, unreinforced, non-brominated, non-chlorinated	7	0	2300	130	V0/3.0mm
9915A	High viscosity, unreinforced, non-brominated, non-chlorinated, Natural Only.	7	0	2250	125	V0/1.5mm

		MVR/ MFR	GF%	FLEXURAL MODULUS	HDT	UL94 LISTING
LIGHTING						
LUX9610	High viscosity, extrusion grade, non-brominated, non-chlorinated FR.	7	0	2250	125	V0/1.5mm
LUX9612/6G	High viscosity, extrusion grade, non-brominated, non-chlorinated FR, diffusion effect.	7	0	2250	–	V0/1.5mm
LUX7169	Low viscosity, high light reflectivity ~96%. non-brominated, non-chlorinated FR.	22	0	–	124	V0/0.9mm
LUX7189	Low viscosity, high light reflectivity ~96%. non-brominated, non-chlorinated FR.	23	0	2300	133	V0/1.5mm-5VA/3mm

FOAMABLE

FL905	High viscosity, foamable, non-brominated, non-chlorinated FR	3	0	2680	140	V0/3.0mm-5VA/6.0mm
	Standard	ISO1033	ISO178	IS180/1A	ISO306	UL94
	Unit	cm ³ /10min	MPa	kJ/m ²	°C	Flame class Rating
	Condition	300°C/1.2kg *250°C/1.2kg 300°C/1.2KG		Notched +23°C	B/120	

DISCLAIMER: THE MATERIALS, PRODUCTS AND SERVICES OF SAUDI BASIC INDUSTRIES CORPORATION (SABIC) OR ITS SUBSIDIARIES OR AFFILIATES (“SELLER”) ARE SOLD SUBJECT TO SELLER’S STANDARD CONDITIONS OF SALE, WHICH ARE AVAILABLE UPON REQUEST. INFORMATION AND RECOMMENDATIONS CONTAINED IN THIS DOCUMENT ARE GIVEN IN GOOD FAITH. HOWEVER, SELLER MAKES NO EXPRESS OR IMPLIED REPRESENTATION, WARRANTY OR GUARANTEE (i) THAT ANY RESULTS DESCRIBED IN THIS DOCUMENT WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (ii) AS TO THE EFFECTIVENESS OR SAFETY OF ANY DESIGN OR APPLICATION INCORPORATING SELLER’S MATERIALS, PRODUCTS, SERVICES OR RECOMMENDATIONS. UNLESS OTHERWISE PROVIDED IN SELLER’S STANDARD CONDITIONS OF SALE, SELLER SHALL NOT BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS MATERIALS, PRODUCTS, SERVICES OR RECOMMENDATIONS DESCRIBED IN THIS DOCUMENT. Each user is responsible for making its own determination as to the suitability of Seller’s materials, products, services or recommendations for the user’s particular use through appropriate end-use and other testing and analysis. Nothing in any document or oral statement shall be deemed to alter or waive any provision of Seller’s Standard Conditions of Sale or this Disclaimer, unless it is specifically agreed to in a writing signed by Seller. Statements by Seller concerning a possible use of any material, product, service or design do not, are not intended to, and should not be construed to grant any license under any patent or other intellectual property right of Seller or as a recommendation for the use of any material, product, service or design in a manner that infringes any patent or other intellectual property right.

SABIC and brands marked with ™ are trademarks of SABIC or its subsidiaries or affiliates.

© 2020 Saudi Basic Industries Corporation (SABIC). All Rights Reserved.

† Any brands, products or services of other companies referenced in this document are the trademarks, service marks and/or trade names of their respective holders.