

LEXAN™ SLX 11010/11A13 FILM

PRODUCT DATASHEET

DESCRIPTION

LEXAN™ SLX 11010 film is a clear polish film of 10 to 30 mil thickness that may be used alone or in a back molded configuration to provide exceptional weathering, good chemical and scratch resistance and outstanding aesthetics for a wide variety of applications in automotive, telecommunications and outdoor vehicles. It can be printed either first or second surface and retains good aesthetics and performance, even after significant outdoor exposure. Lexan SLX 11A13 film is a polish matte version (4 to 20mil) that exhibits the same performance, except for optical clarity and haze.

TYPICAL PROPERTY VALUES

PROPERTY	ASTM TEST METHOD	UNITS (USCS)	VALUE	ISO TEST METHOD	UNITS (SI)	VALUE
MECHANICAL						
Tensile Strength @ Yield	ASTM D882	psi	12100	ISO 527	MPa	75.4
Ultimate	ASTM D882	psi	12600	ISO 527	MPa	85.7
Tensile Modulus	ASTM D882	psi	367000	ISO 527	MPa	2530
Tensile Elongation at Break	ASTM D882	%	82	ISO 527	%	74
Tear Strength						
Initiation	ASTM D1004	lb/mil	1.73		kN/m	245
Propagation	ASTM D1922	g/mil	18		g/mil	10-20
THERMAL						
Coefficient of Thermal Conductivity	ASTM D5470	Btu/hr/ft ² /°F/in	1.35		W/m ² °K	0.2
Coefficient of Thermal Expansion	ASTM E831	(x10 ⁻⁵ /°F)	3.2	ISO 11359	(x10 ⁻⁵ /°C)	5.8
Specific Heat @ 40 °F (4 °C)	ASTM E1269	Btu/lb/°F	0.24		KJ/Kg-°C	1
Glass Transition Temperature	ASTM D3417/D3418	°F	279	ISO 11357	°C	137
Vicat Softening Temperature, B	ASTM 1525-00 Modified	°F	290		°C	144
Heat Deflection Temp. by TMA at 1.8 MPa		°F	252	ISO 75 Modified	°C	122
PHYSICAL						
Specific Gravity	ASTM D792	-	1.26	ISO 1183	kg/m ³	1260
Water Absorption, 24 hrs.	ASTM D570	% change	0.35	ISO 62	% change	0.35
Pencil Hardness	ASTM D3363	-	HB		-	-
Taber Abrasion	ASTM D1044	delta Haze, 50 cycles	19		-	-
OPTICAL						
Refractive Index @ 77 °F (25 °C)	ASTM D542A	-	1.6			
Light Transmission	ASTM D1003	%	88			
Yellowness Index	ASTM D1925	%	3			
Haze	ASTM D1003	%	<1			
Gloss over Flat Black min/max @ 60°	ASTM D523-60	-	176			
FLAMMABILITY						
Non UL flame test, 10 mil monolayer	SABIC		V2			

◆ These are typical properties and are not intended for specification purposes. If minimum certifiable properties are required, please contact your local SABIC representative or the SABIC Quality Services Department.
 ™ Trademark of SABIC.

Distributed by:



www.polymerfilms.com

Film East: Tyngsboro, MA | 978-226-0021
Film Central: Naperville, IL | 630-428-4350
Film West: Fresno, CA | 559-383-3456
Film Canada: Brampton, ON | 905-789-3100
Film Mexico: Apodaca, Nuevo León | 52-81-8369-4688

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 TM are trademarks of SABIC or its subsidiaries or affiliates.
© 2014 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.

