

LEXANT™ RESIN EX1632T

REGION AMERICAS

DESCRIPTION

LEXANT™ EX1632T resin is a 6 MFR polycarbonate, MVR of 6. UV stabilized. Release agent. UL94 HB rated. It contains branched polycarbonate resin. Designed for use in multi-wall sheet or profile extrusion applications.

TYPICAL PROPERTY VALUES

Revision 20201125

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yld, Type I, 50 mm/min	61	MPa	ASTM D638
Tensile Stress, brk, Type I, 50 mm/min	57	MPa	ASTM D638
Tensile Strain, yld, Type I, 50 mm/min	6.3	%	ASTM D638
Tensile Strain, brk, Type I, 50 mm/min	98.8	%	ASTM D638
Tensile Modulus, 5 mm/min	2210	MPa	ASTM D638
Flexural Stress, yld, 1.3 mm/min, 50 mm span	99	MPa	ASTM D790
Flexural Modulus, 1.3 mm/min, 50 mm span	2370	MPa	ASTM D790
IMPACT			
Izod Impact, notched, 23°C	800	J/m	ASTM D256
Izod Impact, notched, -30°C	152	J/m	ASTM D256
Instrumented Dart Impact Total Energy, 23°C	74	J	ASTM D3763
THERMAL			
Vicat Softening Temp, Rate B/50	145	°C	ASTM D1525
HDT, 0.45 MPa, 3.2 mm, unannealed	140	°C	ASTM D648
HDT, 1.82 MPa, 3.2mm, unannealed	130	°C	ASTM D648
CTE, -40°C to 40°C, flow	6.5E-05	1/°C	ASTM E831
CTE, -40°C to 40°C, xflow	6.6E-05	1/°C	ASTM E831
Vicat Softening Temp, Rate B/120	147	°C	ISO 306
PHYSICAL			
Mold Shrinkage, flow, 3.2 mm	0.5 – 0.7	%	SABIC method
Melt Flow Rate, 300°C/1.2 kgf	6	g/10 min	ASTM D1238
Density	1.19	g/cm ³	ISO 1183
FLAME CHARACTERISTICS			
UL Yellow Card Link	E121562-100989271	-	-
UL Compliant, 94HB Flame Class Rating	0.8	mm	UL 94 by SABIC-IP
MULTIWALL SHEET EXTRUSION			
Drying Temperature	120	°C	
Drying Time	2 – 4	Hrs	
Barrel - Zone 1 Temperature	240 – 270	°C	
Barrel - Zone 2 Temperature	240 – 270	°C	
Barrel - Zone 3 Temperature	240 – 270	°C	
Hopper Temperature	100 – 120	°C	
Adapter Temperature	220 – 260	°C	
Die Temperature	220 – 280	°C	

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Melt Temperature	220 – 280	°C	
Calibrator Temperature	50 – 100	°C	

DISCLAIMER

Any sale by SABIC, its subsidiaries and affiliates (each a “seller”), is made exclusively under seller’s standard conditions of sale (available upon request) unless agreed otherwise in writing and signed on behalf of the seller. While the information contained herein is given in good faith, SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY AND NONINFRINGEMENT OF INTELLECTUAL PROPERTY, NOR ASSUMES ANY LIABILITY, DIRECT OR INDIRECT, WITH RESPECT TO THE PERFORMANCE, SUITABILITY OR FITNESS FOR INTENDED USE OR PURPOSE OF THESE PRODUCTS IN ANY APPLICATION. Each customer must determine the suitability of seller materials for the customer’s particular use through appropriate testing and analysis. No statement by seller concerning a possible use of any product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right.