

LEXAN™ RESIN EX5681T

REGION EUROPE

DESCRIPTION

LEXAN™ EX5681T is a coextrusion product which is UV stabilized for improved outdoor weathering of LEXAN™ sheet and improved processing.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield, 50 mm/min	63	MPa	ISO 527
Tensile Stress, break, 50 mm/min	70	MPa	ISO 527
Tensile Strain, yield, 50 mm/min	6	%	ISO 527
Tensile Strain, break, 50 mm/min	120	%	ISO 527
Tensile Modulus, 1 mm/min	2350	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	90	MPa	ISO 178
Flexural Modulus, 2 mm/min	2300	MPa	ISO 178
THERMAL			
Vicat Softening Temp, Rate B/120	135	°C	ISO 306
PHYSICAL			
Density	1.2	g/cm ³	ISO 1183
Melt Volume Rate, MVR at 300°C/1.2 kg	10	cm ³ /10 min	ISO 1133
PROFILE EXTRUSION			
Drying Temperature	105	°C	
Drying Time	2 – 3	Hrs	
Melt Temperature	220 – 250	°C	
Barrel - Zone 1 Temperature	240 – 280	°C	
Barrel - Zone 2 Temperature	240 – 280	°C	
Barrel - Zone 3 Temperature	220 – 240	°C	
Barrel - Zone 4 Temperature	220 – 240	°C	
Hopper Temperature	60 – 80	°C	
Adapter Temperature	220 – 240	°C	
Die Temperature	245 – 290	°C	
Calibrator Temperature	60 – 100	°C	