

LEXANTM RESIN EX7681T

REGION EUROPE

DESCRIPTION

LEXAN EX7681T is a coextrusion product which is highly UV stabilised exhibiting low plate out and improved outdoor weathering of LEXAN sheet.

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	