

Product Texts

LEXAN FXD9332T is based on Polycarbonate (PC) siloxane copolymer resin. It is a flame-retardant and UV stabilized resin suitable for extrusion. This resin is available in a single translucent color and enables a medium fine surface texture when extruded in sheet, pipe and profiles. This flame retardant resin is EN45545 R4 compliant and is targeted for train lighting cover applications (category R4).

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	7	cm ³ /10min	ISO 1133
Temperature	300	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	0.7	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2450	MPa	ISO 527
Yield stress	70	MPa	ISO 527
Yield strain	6	%	ISO 527
Stress at break	55	MPa	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus, 23°C	2400	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	100	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	5	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	4	kJ/m ²	ISO 179/1eA
Izod impact strength, +23°C	N	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	6	kJ/m ²	ISO 180/1A
Izod notched impact strength	5	kJ/m ²	ISO 180/1A
Temperature	-30	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	120	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	131	°C	ISO 75-1/-2
Vicat softening temperature, B	136	°C	ISO 306
Oxygen index	36	%	ISO 4589-1/-2

Other properties	Value	Unit	Test Standard
Density	1250	kg/m ³	ISO 1183

Processing Recommendation Extrusion	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	260 - 300	°C	-
Zone 1	260 - 300	°C	-
Zone 2	260 - 290	°C	-
Zone 3	260 - 290	°C	-
Nozzle temperature	240 - 280	°C	-

Characteristics**Processing**

Pipe/Tube Extrusion, Profile Extrusion, Sheet Extrusion

Special Characteristics

Flame retardant, U.V. stabilized or stable to weather, Translucent

Applications

Electrical and Electronical

Regional Availability

Europe

Features

Copolymer