

Product Texts

LEXAN™ CXT19EX resin is a High Heat Polycarbonate Copolymer Resin with Vicat of 190°C and crystal clear transparency. This resin is optimized for sheet and film extrusion applications, has a low plateout and a broad processing window with limited yellowing. It is available in limited transparent colors.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	13	cm ³ /10min	ISO 1133
Temperature	330	°C	-
Load	2.16	kg	-
ASTM Data			
Melt Flow Index, MFI	15	g/10min	ASTM D 1238
Temperature	330	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2500	MPa	ISO 527
Yield stress	80	MPa	ISO 527
Yield strain	7.5	%	ISO 527
Stress at break	65	MPa	ISO 527
Strain at break	25	%	ISO 527
Flexural modulus	2550	MPa	ISO 178
Charpy impact strength, +23°C, 3mm	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C, 3mm	9	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C, 3mm	7	kJ/m ²	ISO 179/1eA
Izod impact strength, +23°C	N	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 3mm	8	kJ/m ²	ISO 180/1A
Izod notched impact strength, -30°C, 3mm	6	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	2600	MPa	ASTM D 638
Tensile Strength at Yield	80	MPa	ASTM D 638
Tensile Strength at Break	65	MPa	ASTM D 638
Elongation at Yield	7.5	%	ASTM D 638
Elongation at Break	25	%	ASTM D 638
Flexural Modulus	2600	MPa	ASTM D 790
Izod Impact notched, 1/8 in	80	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	70	J/m	ASTM D 256
Temperature	-30	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	172	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	187	°C	ISO 75-1/-2
Vicat softening temperature, 120°C/h 50N	192	°C	ISO 306
Thermal Conductivity	0.2	W/(m K)	DIN 52616
ASTM Data			
DTUL @ 66 psi	187	°C	ASTM D 648
DTUL @ 264 psi	172	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Water absorption	0.5	%	Sim. to ISO 62
Humidity absorption	0.3	%	Sim. to ISO 62
Density	1220	kg/m ³	ISO 1183
Density	1220	kg/m ³	ASTM D 792

Characteristics

Special Characteristics

Transparent

Regional Availability

North America

Applications

Automotive