

**Product Texts**

Improved flow PC with excellent processability and mold release.

**Processing/Physical Characteristics**

	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	12	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-

**Mechanical properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	2450	MPa	ISO 527
Yield stress	60	MPa	ISO 527
Yield strain	6	%	ISO 527
Stress at break	59	MPa	ISO 527
Strain at break	50	%	ISO 527
Flexural modulus	2310	MPa	ISO 178
Charpy impact strength, +23°C, 3mm	N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C, 3mm	N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C, 3mm	65	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C, 3mm	12	kJ/m <sup>2</sup>	ISO 179/1eA
Izod impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C, 3mm	65	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength, -30°C, 3mm	11	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Modulus	2320	MPa	ASTM D 638
Tensile Strength at Yield	60	MPa	ASTM D 638
Tensile Strength at Break	60	MPa	ASTM D 638
Elongation at Yield	6	%	ASTM D 638
Elongation at Break	117	%	ASTM D 638
Flexural Modulus	2360	MPa	ASTM D 790
Izod Impact notched, 1/8 in	828	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	242	J/m	ASTM D 256
Temperature	-30	°C	-

**Thermal properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	122	°C	ISO 75-1/-2
Vicat softening temperature, B	141	°C	ISO 306
Vicat softening temperature, 120°C/h 50N	143	°C	ISO 306
<b>ASTM Data</b>			
DTUL @ 264 psi	128	°C	ASTM D 648
Vicat Temperature	141	°C	ASTM D 1525

**Other properties**

	Value	Unit	Test Standard
Water absorption	0.35	%	Sim. to ISO 62
Humidity absorption	0.15	%	Sim. to ISO 62
Density	1200	kg/m <sup>3</sup>	ISO 1183
Density	1200	kg/m <sup>3</sup>	ASTM D 792

**Processing Recommendation Injection Molding**

	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	295 - 315	°C	-
Mold temperature	70 - 95	°C	-
Zone 1	270 - 295	°C	-
Zone 2	280 - 305	°C	-
Zone 3	295 - 315	°C	-

**LEXAN™ Copolymer 143X - Asia**

PC

Saudi Basic Industries Corporation (SABIC)

Screw speed	<b>40 - 70</b>	rpm	-
Back pressure	<b>0.3 - 0.7</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Asia Pacific