

**STAREX LX-0760**

ABS

Lotte Chemical Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	3.2	g/10min	ISO 1133
Temperature	200	°C	-
Load	5	kg	-
<b>ASTM Data</b>			
Melt Flow Index, MFI	3.2	g/10min	ASTM D 1238
Temperature	200	°C	-
Load	5	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Yield stress	45	MPa	ISO 527
Flexural modulus, 23°C	2400	MPa	ISO 178
Flexural strength	72	MPa	ISO 178
Charpy notched impact strength, +23°C	19	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	17	kJ/m <sup>2</sup>	ISO 180/1A
Rockwell hardness	R 107	-	ISO 2039-2
<b>ASTM Data</b>			
Tensile Modulus	2300	MPa	ASTM D 638
Tensile Strength at Yield	41	MPa	ASTM D 638
Tensile Strength at Break	34	MPa	ASTM D 638
Flexural Modulus	2100	MPa	ASTM D 790
Flexural Strength	60	MPa	ASTM D 790
Rockwell Hardness	R 107	-	ASTM D 785
Izod Impact notched, 1/8 in	140	J/m	ASTM D 256
Izod Impact notched, 1/4 in	140	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	77	°C	ISO 75-1/-2
Vicat softening temperature, B	96	°C	ISO 306
<b>ASTM Data</b>			
DTUL @ 66 psi	94	°C	ASTM D 648
DTUL @ 264 psi	85	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1040	kg/m <sup>3</sup>	ISO 1183
Density	1040	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	85 - 95	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.1	%	-
Melt temperature	210 - 230	°C	-
Mold temperature	40 - 80	°C	-
Zone 1	180 - 200	°C	-
Zone 2	200 - 210	°C	-
Zone 3	210 - 230	°C	-
Nozzle temperature	220 - 240	°C	-
Screw speed	50 - 150	rpm	-
Injection pressure	49 - 150	MPa	-
Back pressure	0.5 - 2	MPa	-

**Characteristics**

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### Processing

Injection Molding

### Regional Availability

North America, Europe, Asia Pacific

### Delivery form

Pellets, Natural Color