

**STAREX EG-7030**

(ABS+PET)

Lotte Chemical Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	18	g/10min	ISO 1133
Temperature	250	°C	-
Load	10	kg	-
<b>ASTM Data</b>			
Melt Flow Index, MFI	18	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	10	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Yield stress	46	MPa	ISO 527
Flexural modulus, 23°C	1900	MPa	ISO 178
Flexural strength	55	MPa	ISO 178
Charpy notched impact strength, +23°C	26	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	28	kJ/m <sup>2</sup>	ISO 180/1A
Rockwell hardness	R 98	-	ISO 2039-2
<b>ASTM Data</b>			
Tensile Strength at Yield	46	MPa	ASTM D 638
Flexural Modulus	1900	MPa	ASTM D 790
Flexural Strength	57	MPa	ASTM D 790
Rockwell Hardness	R 98	-	ASTM D 785
Izod Impact notched, 1/8 in	330	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Vicat softening temperature, B	94	°C	ISO 306
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3.0	mm	-
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	3	mm	-
DTUL @ 264 psi	80	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1110	kg/m <sup>3</sup>	ISO 1183
Density	1110	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.05	%	-
Melt temperature	250 - 260	°C	-
Mold temperature	40 - 80	°C	-
Zone 1	210 - 220	°C	-
Zone 2	230 - 240	°C	-
Zone 3	250 - 260	°C	-
Nozzle temperature	260	°C	-
Screw speed	50 - 150	rpm	-
Injection pressure	49 - 250	MPa	-
Back pressure	0.5 - 2	MPa	-

**Characteristics**

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**Processing**

Injection Molding

**Chemical Resistance**

General Chemical Resistance

**Delivery form**

Pellets, Natural Color

**Regional Availability**

North America, Europe, Asia Pacific