

**STAREX EG-0763**

ABS

Lotte Chemical Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	12	g/10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
<b>ASTM Data</b>			
Melt Flow Index, MFI	12	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	10	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Yield stress	36	MPa	ISO 527
Flexural modulus, 23°C	2000	MPa	ISO 178
Flexural strength	50	MPa	ISO 178
Rockwell hardness	R 100	-	ISO 2039-2
<b>ASTM Data</b>			
Tensile Modulus	2100	MPa	ASTM D 638
Tensile Strength at Yield	38	MPa	ASTM D 638
Tensile Strength at Break	34	MPa	ASTM D 638
Elongation at Break	46	%	ASTM D 638
Flexural Modulus	2000	MPa	ASTM D 790
Flexural Strength	54	MPa	ASTM D 790
Rockwell Hardness	R 100	-	ASTM D 785
Izod Impact notched, 1/8 in	310	J/m	ASTM D 256
Izod Impact notched, 1/4 in	260	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Vicat softening temperature, B	95	°C	ISO 306
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 264 psi	84	°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	80	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.05	%	-
Melt temperature	230	°C	-
Mold temperature	40 - 80	°C	-
Zone 1	160 - 180	°C	-
Zone 2	190 - 200	°C	-
Zone 3	210 - 220	°C	-
Screw speed	50 - 150	rpm	-
Injection pressure	49 - 150	MPa	-
Back pressure	0.5 - 2	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific

**Delivery form**

Pellets, Natural Color