

STAREX SD-0170

ABS

Lotte Chemical Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	11.5	g/10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
ASTM Data			
Melt Flow Index, MFI	11.5	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	10	kg	-
Mechanical properties			
ISO Data			
Tensile Modulus	2000	MPa	ISO 527
Yield stress	35	MPa	ISO 527
Stress at break	30	MPa	ISO 527
Flexural modulus, 23°C	1700	MPa	ISO 178
Charpy notched impact strength, +23°C	35	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	29	kJ/m ²	ISO 180/1A
Rockwell hardness	R 95	-	ISO 2039-2
ASTM Data			
Tensile Strength at Yield	31	MPa	ASTM D 638
Flexural Modulus	1700	MPa	ASTM D 790
Flexural Strength	51	MPa	ASTM D 790
Rockwell Hardness	R 95	-	ASTM D 785
Izod Impact notched, 1/4 in	340	J/m	ASTM D 256
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	78	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	90	°C	ISO 75-1/-2
Vicat softening temperature, B	94	°C	ISO 306
Other properties			
Value			
Density	1030	kg/m ³	ISO 1183
Density	1030	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Natural Color

Special Characteristics

High impact or impact modified

Applications

Sports Equipment

Regional Availability

North America, Europe, Asia Pacific