

STAREX SD-0150GP

ABS

Lotte Chemical Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	1.8	g/10min	ISO 1133
Temperature	200	°C	-
Load	5	kg	-
ASTM Data			
Melt Flow Index, MFI	1.8	g/10min	ASTM D 1238
Temperature	200	°C	-
Load	5	kg	-
Mechanical properties			
ISO Data			
Tensile Modulus	2300	MPa	ISO 527
Yield stress	35	MPa	ISO 527
Stress at break	33	MPa	ISO 527
Strain at break	14	%	ISO 527
Flexural modulus, 23°C	2200	MPa	ISO 178
Flexural strength	65	MPa	ISO 178
Charpy notched impact strength, +23°C	25	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	21	kJ/m ²	ISO 180/1A
Rockwell hardness	R 105	-	ISO 2039-2
ASTM Data			
Tensile Strength at Yield	35	MPa	ASTM D 638
Flexural Modulus	2100	MPa	ASTM D 790
Flexural Strength	58	MPa	ASTM D 790
Rockwell Hardness	R 105	-	ASTM D 785
Izod Impact notched, 1/4 in	280	J/m	ASTM D 256
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	79	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	90	°C	ISO 75-1/-2
Vicat softening temperature, B	97	°C	ISO 306
Other properties			
Value			
Density	1040	kg/m ³	ISO 1183
Density	1040	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Value			
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**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Delivery form

Pellets, Natural Color