

STAREX SD-0150 W

ABS

Lotte Chemical Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	2.2	g/10min	ISO 1133
Temperature	200	°C	-
Load	5	kg	-
ASTM Data			
Melt Flow Index, MFI	2	g/10min	ASTM D 1238
Temperature	200	°C	-
Load	5	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	44	MPa	ISO 527
Flexural modulus, 23°C	2400	MPa	ISO 178
Flexural strength	70	MPa	ISO 178
Charpy notched impact strength, +23°C	21	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	20	kJ/m ²	ISO 180/1A
Rockwell hardness	R 109	-	ISO 2039-2
ASTM Data			
Flexural Modulus	2300	MPa	ASTM D 790
Flexural Strength	64	MPa	ASTM D 790
Rockwell Hardness	R 111	-	ASTM D 785

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	82	°C	ISO 75-1/-2
Vicat softening temperature, B	97	°C	ISO 306

Other properties	Value	Unit	Test Standard
Density	1040	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 3	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	-
Nozzle temperature	230	°C	-
Screw speed	50 - 150	rpm	-
Injection pressure	49 - 150	MPa	-
Back pressure	0.5 - 2	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Natural Color

Regional Availability

North America, Europe, Asia Pacific