

STAREX VE-0855YS

ABS

Lotte Chemical Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	6	g/10min	ISO 1133
Temperature	200	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.4	%	ISO 294-4, 2577
Molding shrinkage, normal	0.4	%	ISO 294-4, 2577
ASTM Data			
Melt Flow Index, MFI	6	g/10min	ASTM D 1238
Temperature	200	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.004	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.004	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Yield stress	35	MPa	ISO 527
Flexural modulus, 23°C	1940	MPa	ISO 178
Flexural strength	54	MPa	ISO 178
Charpy notched impact strength, +23°C	13	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	13	kJ/m ²	ISO 180/1A
Rockwell hardness	R 90	-	ISO 2039-2
ASTM Data			
Tensile Strength at Yield	29	MPa	ASTM D 638
Flexural Modulus	1600	MPa	ASTM D 790
Flexural Strength	47	MPa	ASTM D 790
Rockwell Hardness	R 90	-	ASTM D 785
Izod Impact notched, 1/4 in	130	J/m	ASTM D 256
Thermal properties			
ISO Data			
Temp. of deflection under load, 0.45 MPa	73	°C	ISO 75-1/-2
Vicat softening temperature, B	87	°C	ISO 306
Burning behav. 5V at thickness h	5VB	class	IEC 60695-11-20
Thickness tested	2.5	mm	-
Other properties			
Density	1200	kg/m ³	ISO 1183
Density	1200	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 3	h	-
Processing humidity	≤0.05	%	-
Melt temperature	220	°C	-
Mold temperature	40 - 80	°C	-
Zone 1	160 - 180	°C	-
Zone 2	190 - 200	°C	-
Zone 3	210 - 220	°C	-
Nozzle temperature	220	°C	-
Screw speed	50 - 150	rpm	-
Back pressure	0.5 - 2	MPa	-

Characteristics

STAREX VE-0855YS

ABS

Lotte Chemical Corporation

Processing

Injection Molding

Delivery form

Pellets, Natural Color

Special Characteristics

Flame retardant

Applications

IT / Business Machine

Regional Availability

North America, Europe, Asia Pacific