

STAREX BF-0950

MABS

Lotte Chemical Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	13	g/10min	ISO 1133
Temperature	220	°C	-
Load	10	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	13	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	10	kg	-
Mold Shrinkage, MD	0.0039	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.004	mm/mm	ASTM D 955
Mechanical properties			
ISO Data	Value	Unit	Test Standard
Tensile Modulus	2600	MPa	ISO 527
Yield stress	55	MPa	ISO 527
Stress at break	40	MPa	ISO 527
Strain at break	20	%	ISO 527
Flexural modulus, 23°C	2800	MPa	ISO 178
Flexural strength	85	MPa	ISO 178
Charpy notched impact strength, +23°C	8	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	7	kJ/m ²	ISO 180/1A
Rockwell hardness	R 116	-	ISO 2039-2
ASTM Data			
Tensile Modulus	2500	MPa	ASTM D 638
Tensile Strength at Yield	51	MPa	ASTM D 638
Tensile Strength at Break	34	MPa	ASTM D 638
Elongation at Break	25	%	ASTM D 638
Flexural Modulus	2600	MPa	ASTM D 790
Flexural Strength	74	MPa	ASTM D 790
Rockwell Hardness	R 116	-	ASTM D 785
Izod Impact notched, 1/8 in	110	J/m	ASTM D 256
Izod Impact notched, 1/4 in	98	J/m	ASTM D 256
Thermal properties			
ISO Data	Value	Unit	Test Standard
Temp. of deflection under load, 1.80 MPa	78	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	91	°C	ISO 75-1/-2
Vicat softening temperature, B	100	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3.0	mm	-
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 66 psi	98	°C	ASTM D 648
DTUL @ 264 psi	92	°C	ASTM D 648
Vicat Temperature	100	°C	ASTM D 1525
Other properties			
Value	Unit	Test Standard	
Density	1110	kg/m ³	ISO 1183
Density	1110	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	85	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.05	%	-
Melt temperature	240	°C	-
Mold temperature	60	°C	-
Zone 1	200 - 210	°C	-
Zone 2	210 - 220	°C	-
Zone 3	230	°C	-
Nozzle temperature	240	°C	-
Screw speed	30 - 70	rpm	-
Back pressure	0.5 - 2	MPa	-

Characteristics

Processing

Injection Molding

Delivery form

Pellets, Natural Color

Applications

Electrical and Electronical

Regional Availability

North America, Europe, Asia Pacific