

**STAREX TX-0530T**

MABS

Lotte Chemical Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	14.1	g/10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
Molding shrinkage, normal	0.7	%	ISO 294-4, 2577
<b>ASTM Data</b>			
Melt Flow Index, MFI	14	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	10	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.007	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Yield stress	42	MPa	ISO 527
Flexural modulus, 23°C	1800	MPa	ISO 178
Flexural strength	61	MPa	ISO 178
Charpy notched impact strength, +23°C	15.1	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	15	kJ/m <sup>2</sup>	ISO 180/1A
Rockwell hardness	R 102	-	ISO 2039-2
<b>ASTM Data</b>			
Tensile Strength at Yield	38	MPa	ASTM D 638
Rockwell Hardness	R 101	-	ASTM D 785
Izod Impact notched, 1/8 in	180	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Vicat softening temperature, B	87	°C	ISO 306

Other properties	Value	Unit	Test Standard
Density	1100	kg/m <sup>3</sup>	ISO 1183
Density	1100	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Extrusion	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.05	%	-
Melt temperature	220	°C	-
Mold temperature	50 - 70	°C	-
Zone 1	180 - 190	°C	-
Zone 2	200 - 210	°C	-
Zone 3	220 - 230	°C	-
Nozzle temperature	230	°C	-

**Characteristics****Processing**

Other Extrusion

**Regional Availability**

North America, Europe, Asia Pacific

**Delivery form**

Pellets, Natural Color