

**STAREX SF-0505HW**

MABS

Lotte Chemical Corporation

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt flow index, MFI	<b>19</b>	g/10min	ISO 1133
Temperature	<b>220</b>	°C	-
Load	<b>10</b>	kg	-
Molding shrinkage, parallel	<b>0.5</b>	%	ISO 294-4, 2577
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>19</b>	g/10min	ASTM D 1238
Temperature	<b>220</b>	°C	-
Load	<b>10</b>	kg	-
Mold Shrinkage, MD	<b>0.0045</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Yield stress	<b>44</b>	MPa	ISO 527
Flexural modulus, 23°C	<b>2000</b>	MPa	ISO 178
Charpy notched impact strength, +23°C	<b>5</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	<b>5.5</b>	kJ/m <sup>2</sup>	ISO 180/1A
Rockwell hardness	<b>R 111</b>	-	ISO 2039-2
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>43</b>	MPa	ASTM D 638
Flexural Modulus	<b>2100</b>	MPa	ASTM D 790
Flexural Strength	<b>64</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 109</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>140</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>81</b>	°C	ISO 75-1/-2
Vicat softening temperature, B	<b>90</b>	°C	ISO 306
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
Thickness tested	<b>1.5</b>	mm	-
DTUL @ 264 psi	<b>83</b>	°C	ASTM D 648
<b>Other properties</b>			
Density	<b>1080</b>	kg/m <sup>3</sup>	ISO 1183
Density	<b>1080</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific

**Delivery form**

Pellets, Natural Color