



<b>Starex TX-0530T</b>			
<b>ABS</b>		Samsung Cheil Industries	
<b>Processing/Physical Characteristics</b>			
	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index	15	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	10	kg	-
Density, 73°F	1080	kg/m <sup>3</sup>	ASTM D 792
<b>Rheological properties</b>			
	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt flow index, MFI	15	g/10min	ISO 1133
MFI temperature	220	°C	ISO 1133
MFI load	10	kg	ISO 1133
<b>Mechanical properties</b>			
	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	1800	MPa	ISO 527-1/-2
Yield stress	45	MPa	ISO 527-1/-2
Yield strain	15	%	ISO 527-1/-2
Stress at break	33	MPa	ISO 527-1/-2
Charpy notched impact strength (+23°C)	15	kJ/m <sup>2</sup>	ISO 179/1eA
Flexural modulus (23°C)	1900	MPa	ISO 178
Izod Impact notched, 23°C	16	kJ/m <sup>2</sup>	ISO 180/1A
Rockwell hardness	R 103	-	ISO 2039-2
<b>ASTM Data</b>			
Tensile Strength at Yield	37	MPa	ASTM D 638
Rockwell Hardness	R 101.6	-	ASTM D 785
Izod Impact notched, 1/8 in	0.18	kJ/m	ASTM D 256
<b>Thermal properties</b>			
	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Temp. of deflection under load (1.80 MPa)	70	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	81	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	86	°C	ISO 306
<b>Other properties</b>			
	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Density	1080	kg/m <sup>3</sup>	ISO 1183
<b>Characteristics</b>			
<b>Delivery form</b>		<b>Features</b>	
Pellets, Natural Color		Low Odor	