



Starex SD-0150AT			
ABS		Samsung Cheil Industries	
Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index	19	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	10	kg	-
Density, 73°F	1040	kg/m³	ASTM D 792
Rheological properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	20	g/10min	ISO 1133
MFI temperature	220	°C	ISO 1133
MFI load	10	kg	ISO 1133
Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Yield stress	40	MPa	ISO 527-1/-2
Charpy notched impact strength (+23°C)	33	kJ/m²	ISO 179/1eA
Flexural modulus (23°C)	2350	MPa	ISO 178
Izod Impact notched, 23°C	30	kJ/m²	ISO 180/1A
Rockwell hardness	R 104	-	ISO 2039-2
<b>ASTM Data</b>			
Tensile Strength at Yield	39	MPa	ASTM D 638
Flexural Modulus	2000	MPa	ASTM D 790
Flexural Strength	52	MPa	ASTM D 790
Rockwell Hardness	R 106	-	ASTM D 785
Izod Impact notched, 1/4 in	0.32	kJ/m	ASTM D 256
Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Vicat softening temperature, 50°C/h 50N	96	°C	ISO 306
<b>ASTM Data</b>			
DTUL @ 264 psi	85	°C	ASTM D 648
Other properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Density	1040	kg/m³	ISO 1183
<b>Characteristics</b>			
<b>Delivery form</b>		<b>Features</b>	
Pellets, Natural Color		Low Odor	