



Starex SD-0150			
ABS		Samsung Cheil Industries	
Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index	2.5	g/10min	ASTM D 1238
Temperature	200	°C	-
Load	5	kg	-
Density, 73°F	1040	kg/m³	ASTM D 792
Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	2.5	g/10min	ISO 1133
MFI temperature	200	°C	ISO 1133
MFI load	5	kg	ISO 1133
Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2500	MPa	ISO 527-1/-2
Yield stress	42	MPa	ISO 527-1/-2
Yield strain	11	%	ISO 527-1/-2
Stress at break	36	MPa	ISO 527-1/-2
Charpy notched impact strength (+23°C)	24	kJ/m²	ISO 179/1eA
Flexural modulus (23°C)	2500	MPa	ISO 178
Izod Impact notched, 23°C	17	kJ/m²	ISO 180/1A
Rockwell hardness	R 109	-	ISO 2039-2
ASTM Data			
Tensile Strength at Yield	41	MPa	ASTM D 638
Flexural Modulus	2100	MPa	ASTM D 790
Flexural Strength	62	MPa	ASTM D 790
Rockwell Hardness	R 109	-	ASTM D 785
Izod Impact notched, 1/4 in	0.2	kJ/m	ASTM D 256
Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (1.80 MPa)	79	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	92	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	98	°C	ISO 306
Other properties	Value	Unit	Test Standard
ISO Data			
Density	1040	kg/m³	ISO 1183
Characteristics			
Delivery form		Applications	
Pellets, Natural Color		Electrical and Electronical	
Features			
Low Odor			