



Starex WX-9300UV			
ASA		Samsung Cheil Industries	
Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index	12	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	10	kg	-
Density, 73°F	1070	kg/m³	ASTM D 792
Rheological properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	12	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>			
Tensile Modulus	2100	MPa	ISO 527-1/-2
Yield stress	49	MPa	ISO 527-1/-2
Yield strain	13	%	ISO 527-1/-2
Stress at break	36	MPa	ISO 527-1/-2
Charpy notched impact strength (+23°C)	12	kJ/m²	ISO 179/1eA
Flexural modulus (23°C)	2300	MPa	ISO 178
Izod Impact notched, 23°C	10	kJ/m²	ISO 180/1A
Rockwell hardness	R 106	-	ISO 2039-2
<b>ASTM Data</b>			
Tensile Strength at Yield	43	MPa	ASTM D 638
Flexural Modulus	2200	MPa	ASTM D 790
Flexural Strength	67	MPa	ASTM D 790
Rockwell Hardness	R 105	-	ASTM D 785
Izod Impact notched, 1/8 in	0.2	kJ/m	ASTM D 256
Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
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	96	°C	ISO 306
<b>ASTM Data</b>			
DTUL @ 264 psi	89	°C	ASTM D 648
Other properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Density	1070	kg/m³	ISO 1183
<b>Characteristics</b>			
<b>Delivery form</b>		<b>Features</b>	
Pellets, Natural Color		Low Odor	
<b>Special Characteristics</b>			
U.V. stabilized or stable to weather			