



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		
<b>Rheological properties</b>					
<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		
<b>Mechanical properties</b>					
<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		
<b>Thermal properties</b>					
<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		
<b>Other properties</b>					
<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					