



Starex WX-9120			
ASA		Samsung Cheil Industries	
Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index	18	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	10	kg	-
Density, 73°F	1060	kg/m³	ASTM D 792
Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	18	g/10min	ISO 1133
MFI temperature	220	°C	ISO 1133
MFI load	10	kg	ISO 1133
Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1900	MPa	ISO 527-1/-2
Yield stress	43	MPa	ISO 527-1/-2
Yield strain	18	%	ISO 527-1/-2
Stress at break	34	MPa	ISO 527-1/-2
Charpy notched impact strength (+23°C)	14	kJ/m²	ISO 179/1eA
Flexural modulus (23°C)	2000	MPa	ISO 178
Izod Impact notched, 23°C	14	kJ/m²	ISO 180/1A
Rockwell hardness	R 103	-	ISO 2039-2
ASTM Data			
Tensile Strength at Yield	45	MPa	ASTM D 638
Flexural Modulus	2200	MPa	ASTM D 790
Flexural Strength	66	MPa	ASTM D 790
Rockwell Hardness	R 103	-	ASTM D 785
Izod Impact notched, 1/8 in	0.24	kJ/m	ASTM D 256
Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (1.80 MPa)	74	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	88	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	92	°C	ISO 306
ASTM Data			
DTUL @ 66 psi	89	°C	ASTM D 648
Other properties	Value	Unit	Test Standard
ISO Data			
Density	1060	kg/m³	ISO 1183
Characteristics			
Delivery form		Features	
Pellets, Natural Color		Low Odor	