



Starex SR-0325LT			
ABS		Samsung Cheil Industries	
Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index	4	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	10	kg	-
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.006	mm/mm	ASTM D 955
Density, 73°F	1070	kg/m³	ASTM D 792
Rheological properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6	%	ISO 294-4, 2577
Melt flow index, MFI	4	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	2500	MPa	ISO 527-1/-2
Yield stress	53	MPa	ISO 527-1/-2
Yield strain	3.4	%	ISO 527-1/-2
Stress at break	42	MPa	ISO 527-1/-2
Charpy notched impact strength (+23°C)	15	kJ/m²	ISO 179/1eA
Flexural modulus (23°C)	2900	MPa	ISO 178
Izod Impact notched, 23°C	15	kJ/m²	ISO 180/1A
Rockwell hardness	R 116	-	ISO 2039-2
<b>ASTM Data</b>			
Tensile Strength at Yield	43	MPa	ASTM D 638
Elongation at Yield	15	%	ASTM D 638
Flexural Modulus	2100	MPa	ASTM D 790
Flexural Strength	61	MPa	ASTM D 790
Rockwell Hardness	R 116	-	ASTM D 785
Izod Impact notched, 1/4 in	0.12	kJ/m	ASTM D 256
Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load (1.80 MPa)	93	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	108	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	113	°C	ISO 306
<b>ASTM Data</b>			
DTUL @ 264 psi	100	°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	

Special Characteristics

Heat stabilized or stable to heat

Applications

Automotive