



**TER Plastics**  
POLYMER GROUP



Starex TX-0530T			
ABS		Samsung Cheil Industries	
Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index	15	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	10	kg	-
Density, 73°F	1080	kg/m³	ASTM D 792
Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	15	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	1800	MPa	ISO 527-1/-2
Yield stress	45	MPa	ISO 527-1/-2
Yield strain	15	%	ISO 527-1/-2
Stress at break	33	MPa	ISO 527-1/-2
Charpy notched impact strength (+23°C)	15	kJ/m²	ISO 179/1eA
Flexural modulus (23°C)	1900	MPa	ISO 178
Izod Impact notched, 23°C	16	kJ/m²	ISO 180/1A
Rockwell hardness	R 103	-	ISO 2039-2
ASTM Data			
Tensile Strength at Yield	37	MPa	ASTM D 638
Rockwell Hardness	R 101.6	-	ASTM D 785
Izod Impact notched, 1/8 in	0.18	kJ/m	ASTM D 256
Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (1.80 MPa)	70	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	81	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	86	°C	ISO 306
Other properties	Value	Unit	Test Standard
ISO Data			
Density	1080	kg/m³	ISO 1183
Characteristics			
Delivery form		Features	
Pellets, Natural Color		Low Odor	