

**SKYPEL G140D**

TPE

SK Chemicals

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	7	g/10min	ASTM D 1238
Temperature	190	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.008	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength at Break	26.5	MPa	ASTM D 638
Elongation at Break	680	%	ASTM D 638
Flexural Modulus	66.7	MPa	ASTM D 790
Shore D Hardness	40	-	ASTM D 2240
Tear Strength	115	kN/m	ASTM D 624
Izod Impact notched, 1/4 in	N	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
DTUL @ 66 psi	70	°C	ASTM D 648
Melting Temperature	157	°C	ASTM D 3418

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.6	%	ASTM D 570
Density	1160	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100	°C	-
Pre-drying - Time	2 - 3	h	-
Mold temperature	25	°C	-
Zone 1	165	°C	-
Zone 2	175	°C	-
Zone 3	175	°C	-
Nozzle temperature	180	°C	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Pre-drying - Temperature	100	°C	-
Pre-drying - Time	2 - 3	h	-
Melt temperature	170	°C	-
Zone 1	150	°C	-
Zone 2	160	°C	-
Zone 3	165	°C	-
Nozzle temperature	165	°C	-

**Characteristics****Processing**

Injection Molding, Other Extrusion

**Special Characteristics**

High impact or impact modified, Heat stabilized or stable to heat

**Features**

Color Stability, Creep Resistance, Fatigue Resistance, Thermal Stability

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America