

**TECHNICAL DATA SHEET**

# SKYPEL G140D

SK Chemicals

TPE

**Processing**

Injection molding, Other extrusion

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

**Special Characteristics**
**Features**

Color stability, Creep resistance, Fatigue resistance, Thermal stability

Processing/Physical Characteristics	Value	Unit	Standard
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	Standard
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	Standard
DTUL @ 66 psi	70	°C	ASTM D 648
Melting temperature	157	°C	ASTM D 3418
Other Properties	Value	Unit	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	Standard
Pre-drying - temperature	100	°C	
Pre-drying - time	2 - 3	h	

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Processing Recommendation Injection Molding	Value	Unit	Standard
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	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	