

**TECHNICAL DATA SHEET**

# SKYPEL G172D

SK Chemicals

TPE

**Processing**

Injection molding, Other extrusion

**Special Characteristics**

High impact or impact modified, U.V. stabilized or stable to weather, Heat stabilized or stable to heat

**Features**

Creep resistance, Cut through resistance, Fatigue resistance, Copolymer

**Chemical Resistance**

General chemical resistance, Solvent resistance, Oil resistance

Processing/Physical Characteristics	Value	Unit	Standard
Melt flow index, MFI	13	g/10min	ASTM D 1238
Temperature	230	°C	
Load	2.16	kg	
Mold shrinkage, MD	0.017	mm/mm	ASTM D 955
Mechanical Properties	Value	Unit	Standard
Tensile strength at break	46	MPa	ASTM D 638
Elongation at break	420	%	ASTM D 638
Flexural modulus	540	MPa	ASTM D 790
Shore D hardness	72		ASTM D 2240
Izod impact notched, 1/4 in	120	J/m	ASTM D 256
Thermal Properties	Value	Unit	Standard
DTUL @ 66 psi	150	°C	ASTM D 648
Melting temperature	218	°C	ASTM D 3418
Other Properties	Value	Unit	Standard
Water absorption, 24hr	0.3	%	ASTM D 570
Density	1250	kg/m <sup>3</sup>	ASTM D 792
Processing Recommendation Injection Molding	Value	Unit	Standard
Pre-drying - temperature	100	°C	
Pre-drying - time	3 - 4	h	

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Processing Recommendation Injection Molding	Value	Unit	Standard
Processing humidity	≤0.1	%	
Mold temperature	40	°C	
Zone 1	220	°C	
Zone 2	230	°C	
Zone 3	230	°C	
Nozzle temperature	235	°C	