

TECHNICAL DATA SHEET

SKYPEL G182D

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	8	g/10min	ASTM D 1238
Temperature	230	°C	
Load	2.16	kg	
Mold shrinkage, MD	0.022	mm/mm	ASTM D 955
Mechanical Properties	Value	Unit	Standard
Tensile strength at break	49	MPa	ASTM D 638
Elongation at break	350	%	ASTM D 638
Flexural modulus	883	MPa	ASTM D 790
Shore D hardness	80		ASTM D 2240
Izod impact notched, 1/4 in	40	J/m	ASTM D 256
Thermal Properties	Value	Unit	Standard
DTUL @ 66 psi	156	°C	ASTM D 648
Melting temperature	222	°C	ASTM D 3418
Other Properties	Value	Unit	Standard
Water absorption, 24hr	0.2	%	ASTM D 570
Density	1270	kg/m ³	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	225	°C	
Zone 2	235	°C	
Zone 3	235	°C	
Nozzle temperature	240	°C	