

SKYPEL G172D

TPE

SK Chemicals

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
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			
ASTM Data			
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			
ASTM Data			
DTUL @ 66 psi	150	°C	ASTM D 648
Melting Temperature	218	°C	ASTM D 3418
Other properties			
Water Absorption, 24hr	0.3	%	ASTM D 570
Density	1250	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	100	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.1	%	-
Mold temperature	40	°C	-
Zone 1	220	°C	-
Zone 2	230	°C	-
Zone 3	230	°C	-
Nozzle temperature	235	°C	-

Characteristics**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

Regional Availability

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