

SKYPEL G163D

TPE

SK Chemicals

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	14	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.015	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Break	43.2	MPa	ASTM D 638
Elongation at Break	500	%	ASTM D 638
Flexural Modulus	314	MPa	ASTM D 790
Shore D Hardness	63	-	ASTM D 2240
Tear Strength	180	kN/m	ASTM D 624
Izod Impact notched, 1/4 in	N	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	130	°C	ASTM D 648
Melting Temperature	212	°C	ASTM D 3418

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.3	%	ASTM D 570
Density	1210	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100	°C	-
Pre-drying - Time	2 - 3	h	-
Mold temperature	40	°C	-
Zone 1	220	°C	-
Zone 2	230	°C	-
Zone 3	230	°C	-
Nozzle temperature	235	°C	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Pre-drying - Temperature	100	°C	-
Pre-drying - Time	2 - 3	h	-
Melt temperature	230	°C	-
Zone 1	210	°C	-
Zone 2	220	°C	-
Zone 3	225	°C	-
Nozzle temperature	225	°C	-

Characteristics**Processing**

Injection Molding, Other Extrusion

Regional Availability

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