

SKYPEL P128DF

TPE

SK Chemicals

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	33	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.013	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Break	13.7	MPa	ASTM D 638
Elongation at Break	370	%	ASTM D 638
Flexural Modulus	29.5	MPa	ASTM D 790
Shore D Hardness	28	-	ASTM D 2240
Tear Strength	70	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	45	°C	ASTM D 648
Melting Temperature	196	°C	ASTM D 3418

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dissipation Factor, 1 MHz	0.028	-	ASTM D 150
Surface Resistivity	8E13	Ohm	ASTM D 257
Volume Resistivity	6E14	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	1.8	%	ASTM D 570
Density	1140	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	30	°C	-
Zone 1	190	°C	-
Zone 2	200	°C	-
Zone 3	200	°C	-
Nozzle temperature	205	°C	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Pre-drying - Temperature	100	°C	-
Pre-drying - Time	2 - 3	h	-
Melt temperature	215	°C	-
Zone 1	195	°C	-
Zone 2	210	°C	-
Zone 3	210	°C	-
Nozzle temperature	210	°C	-

Characteristics**Processing**

Injection Molding, Other Extrusion

Special Characteristics

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

Features

Creep Resistance, Fatigue Resistance, Good Adhesion, Thermal Stability

Regional Availability

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