

SKYPEL P147DF

TPE

SK Chemicals

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	18	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.016	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Break	20.6	MPa	ASTM D 638
Elongation at Break	400	%	ASTM D 638
Flexural Modulus	103	MPa	ASTM D 790
Shore D Hardness	47	-	ASTM D 2240
Tear Strength	90	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	85	°C	ASTM D 648
Melting Temperature	216	°C	ASTM D 3418

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	1.4	%	ASTM D 570
Density	1180	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
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
Melt temperature	225	°C	-
Zone 1	205	°C	-
Zone 2	220	°C	-
Zone 3	220	°C	-
Nozzle temperature	220	°C	-

Characteristics**Processing**

Injection Molding, Other Extrusion

Regional Availability

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

Special Characteristics

Heat stabilized or stable to heat