

**SKYPEL P142DF**

TPE

SK Chemicals

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	23	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
<b>ASTM Data</b>			
Tensile Strength at Break	18.6	MPa	ASTM D 638
Elongation at Break	820	%	ASTM D 638
Modulus at 100% Elongation	9.8	MPa	ASTM D 412
Shore A Hardness	42	-	ASTM D 2240
Tear Strength	75	kN/m	ASTM D 624

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melting Temperature	218	°C	ASTM D 3418

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	1.4	%	ASTM D 570
Density	1160	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Mold temperature	35	°C	-
Zone 1	220	°C	-
Zone 2	225	°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

**Special Characteristics**

Heat stabilized or stable to heat

**Regional Availability**

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