

SKYPEL P137DF

TPE

SK Chemicals

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	24	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	17.7	MPa	ASTM D 638
Elongation at Break	400	%	ASTM D 638
Flexural Modulus	49	MPa	ASTM D 790
Shore D Hardness	35	-	ASTM D 2240
Tear Strength	80	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	50	°C	ASTM D 648
Melting Temperature	200	°C	ASTM D 3418

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	1.5	%	ASTM D 570
Density	1140	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Mold temperature	35	°C	-
Zone 1	205	°C	-
Zone 2	215	°C	-
Zone 3	215	°C	-
Nozzle temperature	220	°C	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Melt temperature	220	°C	-
Zone 1	200	°C	-
Zone 2	215	°C	-
Zone 3	215	°C	-
Nozzle temperature	215	°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