

Ecopond Flex-162

(TPC+PSAC)

Kingfa Sci. & Tech.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	5.8	g/10min	ISO 1133
Temperature	190	°C	-
Load	2.16	kg	-
ASTM Data			
Melt Flow Index, MFI	2.9	g/10min	ASTM D 1238
Temperature	190	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength	12	MPa	ASTM D 638
Flexural Modulus	180	MPa	ASTM D 790
Flexural Strength	5	MPa	ASTM D 790
Thermal properties			
ISO Data			
Vicat softening temperature, A	72	°C	ISO 306
ASTM Data			
DTUL @ 264 psi	50	°C	ASTM D 648
Melting Temperature	133	°C	ASTM D 3418
Optical properties			
ASTM Data			
Light Transmittance	65	%	ASTM D 1003
Other properties			
Density	1230	kg/m ³	ISO 1183
Density	1280	kg/m ³	ASTM D 792
Film Properties			
ISO Data			
Maximum stress, parallel	30	MPa	ISO 527-3
Maximum stress, normal	41	MPa	ISO 527-3
Maximum strain, parallel	500	%	ISO 527-3
Maximum strain, normal	660	%	ISO 527-3

Characteristics**Processing**

Blown Film Extrusion, Casting

Features

Soft Feel, Weldable

Certifications

Biodegradable

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa