

Safron® C142-01N

PP

Safripol (Pty) Ltd

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	1.4	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	26	MPa	ISO 527
Yield strain	7	%	ISO 527
Flexural modulus, 23°C	1200	MPa	ISO 178

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	52	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	74	°C	ISO 75-1/-2
Vicat softening temperature, B	71	°C	ISO 306

Other properties	Value	Unit	Test Standard
Density	910	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Zone 1	180	°C	-
Zone 2	180 - 220	°C	-
Zone 3	220 - 260	°C	-
Zone 4	270	°C	-
Nozzle temperature	240 - 250	°C	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Zone 1	190 - 200	°C	-
Zone 2	200 - 240	°C	-
Zone 3	240 - 260	°C	-
Zone 4	260	°C	-
Nozzle temperature	240	°C	-

Characteristics**Processing**

Injection Molding, Profile Extrusion, Sheet Extrusion

Delivery form

Natural Color

Special Characteristics

High impact or impact modified

Features

Nucleated, Copolymer, Impact Copolymer

Certifications

Food contact, Food approval 10/2011, Food approval FDA 21 CFR

Regional Availability

Near East/Africa