

Advance 400®

PP

Safripol (Pty) Ltd

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	40	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	28	MPa	ISO 527
Yield strain	11	%	ISO 527
Flexural modulus, 23°C	1000	MPa	ISO 178
Charpy notched impact strength, +23°C	5	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	47	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	67	°C	ISO 75-1/-2
Vicat softening temperature, A	127	°C	ISO 306
Vicat softening temperature, B	70	°C	ISO 306

Optical properties	Value	Unit	Test Standard
ASTM Data			
Light Transmittance	85	%	ASTM D 1003

Other properties	Value	Unit	Test Standard
Density	902	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Zone 1	180 - 200	°C	-
Zone 2	200 - 220	°C	-
Zone 3	210 - 230	°C	-
Zone 4	225	°C	-
Nozzle temperature	215	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Anti-static

Features

Copolymer, Random Copolymer

Certifications

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

Applications

Packaging

Regional Availability

Near East/Africa