

Advanced-PP 1100 N

PP

Advanced Petrochemical Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	12	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1550	MPa	ISO 527
Yield stress	35	MPa	ISO 527
Yield strain	8	%	ISO 527
Strain at break	>50	%	ISO 527
Charpy impact strength, +23°C	110	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	3	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	3	kJ/m ²	ISO 180/1A
Ball indentation hardness	78	MPa	ISO 2039-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	163	°C	ISO 11357-1/-3
Temp. of deflection under load, 0.45 MPa	85	°C	ISO 75-1/-2
Vicat softening temperature, A	154	°C	ISO 306

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

Characteristics**Processing**

Injection Molding

Features

Homopolymer

Certifications

Food contact, Food approval FDA 21 CFR

Applications

General Purpose

Regional Availability

Near East/Africa