

HNR101

PP

Sasol Chemicals

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			
ISO Data			
Tensile Modulus	1550	MPa	ISO 527
Yield stress	34	MPa	ISO 527
Yield strain	8.5	%	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus, 23°C	1500	MPa	ISO 178
Charpy notched impact strength, +23°C	2.8	kJ/m ²	ISO 179/1eA
Ball indentation hardness	70	MPa	ISO 2039-1
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	166	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	53	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	85	°C	ISO 75-1/-2
Vicat softening temperature, A	154	°C	ISO 306
Processing Recommendation Extrusion			
Type of extrusion	fiber	-	-
Melt temperature	220 - 280	°C	-

Characteristics**Processing**

Fiber Extrusion, Other Extrusion

Features

Gas Fading Resistance

Chemical Resistance

Oxidation Resistance

Certifications

Food contact, Food approval FDA 21 CFR

Regional Availability

North America, Asia Pacific, Near East/Africa