

HKQ156

PP

Sasol Chemicals

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	3	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	1.5	%	ISO 294-4, 2577
Molding shrinkage, normal	1.4	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1750	MPa	ISO 527
Yield stress	37	MPa	ISO 527
Yield strain	8.5	%	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus, 23°C	1650	MPa	ISO 178
Charpy notched impact strength, +23°C	5.5	kJ/m ²	ISO 179/1eA
Ball indentation hardness	72	MPa	ISO 2039-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	168	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	125	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	55	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	95	°C	ISO 75-1/-2
Vicat softening temperature, A	155	°C	ISO 306

Optical properties	Value	Unit	Test Standard
ISO Data			
Gloss, 60°	95	-	ISO 2813
Haze	24	-	ISO 14782

Processing Recommendation Extrusion	Value	Unit	Test Standard
Type of extrusion	sheet	-	-
Melt temperature	230 - 250	°C	-

Characteristics**Processing**

Sheet Extrusion, Thermoforming

Additives

Release agent

Special Characteristics

Transparent

Features

Color Stability, Nucleated, Homopolymer

Chemical Resistance

Oxidation Resistance

Certifications

Food contact, Food approval FDA 21 CFR

Applications

Packaging

Regional Availability

North America, Asia Pacific, Near East/Africa