CTV448

PP — Sasol Chemicals

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**50**	g/10min	ISO 1133
Temperature	**230**	°C	-
Load	**2.16**	kg	-
Molding shrinkage, parallel	**1.2**	%	ISO 294-4, 2577
Molding shrinkage, normal	**1.2**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**1200**	MPa	ISO 527
Yield stress	**24**	MPa	ISO 527
Yield strain	**6**	%	ISO 527
Strain at break	**>50**	%	ISO 527
Flexural modulus, 23°C	**1150**	MPa	ISO 178
Charpy notched impact strength, +23°C	**8**	kJ/m²	ISO 179/1eA
Ball indentation hardness	**49**	MPa	ISO 2039-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**166**	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	**50**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**82**	°C	ISO 75-1/-2
Vicat softening temperature, A	**148**	°C	ISO 306

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	**220 - 280**	°C	-

Characteristics

Processing
Injection Molding

Special Characteristics
Anti-static, High impact or impact modified

Features
Nucleated, Copolymer, Homopolymer

Chemical Resistance
Oxidation Resistance

Certifications
Food contact, Food approval FDA 21 CFR

Applications
Packaging

Regional Availability
North America, Asia Pacific, Near East/Africa