CMR648

PP

Sasol Chemicals

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**8.5**	g/10min	ISO 1133
Temperature	**230**	°C	-
Load	**2.16**	kg	-
Molding shrinkage, parallel	**1.4**	%	ISO 294-4, 2577
Molding shrinkage, normal	**1.3**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**1050**	MPa	ISO 527
Yield stress	**21**	MPa	ISO 527
Yield strain	**6**	%	ISO 527
Strain at break	**>50**	%	ISO 527
Flexural modulus, 23°C	**1000**	MPa	ISO 178
Charpy notched impact strength, +23°C	**50**	kJ/m²	ISO 179/1eA
Ball indentation hardness	**45**	MPa	ISO 2039-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**168**	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	**48**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**80**	°C	ISO 75-1/-2
Vicat softening temperature, A	**144**	°C	ISO 306

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

Characteristics

Processing
Injection Molding

Chemical Resistance
Oxidation Resistance

Special Characteristics
Anti-static, High impact or impact modified

Certifications
Food contact, Food approval FDA 21 CFR

Features
Nucleated, Copolymer, Impact Copolymer

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

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