VC105

PP-MX40 Borealis A/S

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**4**	g/10min	ISO 1133
Temperature	**230**	°C	-
Load	**2.16**	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	**34**	MPa	ISO 527
Flexural modulus, 23°C	**4800**	MPa	ISO 178
Charpy notched impact strength, +23°C	**3**	kJ/m²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 0.45 MPa	**140**	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	**1220**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80**	°C	-
Pre-drying - Time	**2**	h	-
Melt temperature	**220 - 260**	°C	-
Mold temperature	**30 - 50**	°C	-
Feed temperature	**40 - 80**	°C	-
Holding pressure	**30 - 60**	MPa	-

Characteristics

Processing
Injection Molding

Applications
Automotive

Special Characteristics
Heat stabilized or stable to heat

Regional Availability
North America, Europe, South and Central America

Chemical Resistance
General Chemical Resistance

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