Topester™ 472RM

TPC — Top Polymer Enterprise

Product Texts

Topester™ 472RM is completely recyclable.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**13**	g/10min	ISO 1133
Temperature	**230**	°C	-
Load	**2.16**	kg	-
Molding shrinkage, parallel	**1.7**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Stress at break	**42**	MPa	ISO 527
Strain at break	**370**	%	ISO 527
Flexural modulus	**550**	MPa	ISO 178
Charpy notched impact strength, +23°C	**15**	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	**9**	kJ/m²	ISO 179/1eA
Shore D hardness	**72**	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**219**	°C	ISO 11357-1/-3
Vicat softening temperature, A	**205**	°C	ISO 306

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	**1E12**	Ohm*m	IEC 62631-3-1

Other properties	Value	Unit	Test Standard
Density	**1260**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**110**	°C	-
Pre-drying - Time	**3 - 5**	h	-
Mold temperature	**20 - 60**	°C	-
Zone 1	**180 - 220**	°C	-
Zone 2	**220 - 250**	°C	-
Zone 3	**220 - 250**	°C	-
Nozzle temperature	**220 - 250**	°C	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Type of extrusion	**wire/cable**	-	-
Pre-drying - Temperature	**110**	°C	-
Pre-drying - Time	**3 - 5**	h	-
Zone 1	**180 - 220**	°C	-
Zone 2	**220 - 250**	°C	-
Zone 3	**220 - 250**	°C	-

Characteristics

Processing

Injection Molding, Other Extrusion

Applications

Automotive

Delivery form

Pellets, Natural Color

Regional Availability

Asia Pacific

Special Characteristics
Heat stabilized or stable to heat