

Product Texts

Topester™ 455RM is completely recyclable.

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

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Stress at break	37	MPa	ISO 527
Strain at break	590	%	ISO 527
Flexural modulus	220	MPa	ISO 178
Charpy notched impact strength, +23°C	N	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	N	kJ/m ²	ISO 179/1eA
Shore D hardness	55	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	204	°C	ISO 11357-1/-3
Vicat softening temperature, A	180	°C	ISO 306

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	4E11	Ohm*m	IEC 62631-3-1

Other properties	Value	Unit	Test Standard
Density	1190	kg/m ³	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 - 200	°C	-
Zone 2	210 - 240	°C	-
Zone 3	210 - 240	°C	-
Nozzle temperature	210 - 240	°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 - 200	°C	-
Zone 2	210 - 240	°C	-
Zone 3	210 - 240	°C	-

Characteristics

Processing

Injection Molding, Other Extrusion

Delivery form

Pellets, Natural Color

Applications

Automotive

Regional Availability

Asia Pacific

Special Characteristics

Heat stabilized or stable to heat