

Product Texts

- MVR (300 °C/1.2 kg) 19 cm³/10 min
- low viscosity
- easy release
- UV stabilized
- flame retardant
- variable content of filler for high reflectance application

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	19	cm³/10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2600	MPa	ISO 527
Yield stress	60	MPa	ISO 527
Yield strain	5.5	%	ISO 527
Nominal strain at break	55	%	ISO 527
Stress at break	55	MPa	ISO 527
Strain at break	95	%	ISO 527
^[C] Charpy impact strength, +23°C	N	kJ/m²	ISO 179/1eU
Izod notched impact strength, +23°C	15	kJ/m²	ISO 180/1A
^[C] Puncture - maximum force, +23°C	5000	N	ISO 6603-2
^[C] Puncture energy, +23°C	47	J	ISO 6603-2

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Vicat softening temperature, B	143	°C	ISO 306
^[C] Burning Behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Density	1340	kg/m³	ISO 1183

[C]: CAMPUS

Test specimen production	Value	Unit	Test Standard
ISO Data			
^[C] Injection Molding, melt temperature	280	°C	ISO 294
Injection Molding, mold temperature	80	°C	ISO 294

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	2 - 3	h	-
Processing humidity	≤0.02	%	-
Melt temperature	280 - 320	°C	-
Mold temperature	80 - 120	°C	-
Zone 1	250 - 260	°C	-
Zone 2	270 - 280	°C	-
Zone 3	280 - 290	°C	-
Nozzle temperature	290 - 300	°C	-
Back pressure	5 - 15	MPa	-

Characteristics

Processing

Injection Molding

Additives

Release agent

Special Characteristics

Flame retardant, U.V. stabilized or stable to weather

Features

Light Reflecting

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa