

Product Texts

- MVR (300 °C/1.2 kg) 4.0 cm³/10 min
- general purpose
- high viscosity
- UV stabilized
- easy release
- developed for safety goggles

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	4	cm ³ /10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-
^[C] Molding shrinkage, parallel	0.7	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.7	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	2270	MPa	ISO 527
^[C] Yield stress	62	MPa	ISO 527
^[C] Yield strain	6.5	%	ISO 527
Nominal strain at break	>50	%	ISO 527
Flexural modulus, 23°C	2400	MPa	ISO 178
Flexural strength	97	MPa	ISO 178
^[C] Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	N	kJ/m ²	ISO 179/1eU
Izod notched impact strength, +23°C	75	kJ/m ²	ISO 180/1A
Izod notched impact strength	20	kJ/m ²	ISO 180/1A
Temperature	-30	°C	-
^[C] Puncture - maximum force, +23°C	5720	N	ISO 6603-2
^[C] Puncture energy, +23°C	60	J	ISO 6603-2

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Glass transition temperature, 10°C/min	151	°C	ISO 11357-1/-2
^[C] Temp. of deflection under load, 1.80 MPa	130	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	141	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	149	°C	ISO 306

[C]: CAMPUS

Optical properties	Value	Unit	Test Standard
ISO Data			
Haze	0.2	-	ISO 14782
^[C] Luminous transmittance	89	%	ISO 13468-1, -2

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Density	1190	kg/m ³	ISO 1183

[C]: CAMPUS

Film Properties	Value	Unit	Test Standard
ISO Data			
Thickness of specimen	3	mm	-

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	290 - 330	°C	-
Mold temperature	80 - 120	°C	-
Zone 1	260 - 270	°C	-
Zone 2	280 - 290	°C	-
Zone 3	290 - 300	°C	-
Nozzle temperature	300 - 310	°C	-
Back pressure	5 - 15	MPa	-

Characteristics

Processing

Injection Molding

Additives

Release agent

Special Characteristics

U.V. stabilized or stable to weather, Transparent

Applications

General Purpose

Regional Availability

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