

Product Texts

60 Shore D, Extrusion

ISO 18064 TPC-ES

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	9	cm ³ /10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[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
^[C] Charpy notched impact strength, +23°C	N	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	8	kJ/m ²	ISO 179/1eA
^[C] Stress at 10% elongation	19	MPa	ISO 527
^[C] Stress at 100% elongation	21	MPa	ISO 527
^[C] Stress at break TPE	34	MPa	ISO 527
^[C] Strain at break TPE	>300	%	ISO 527
^[C] Compression set at 70 °C, 24h	37	%	ISO 815
^[C] Shore D hardness	61	-	ISO 7619-1

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	208	°C	ISO 11357-1/-3
^[C] Glass transition temperature, 10°C/min	-10	°C	ISO 11357-1/-2
^[C] Vicat softening temperature, B	90	°C	ISO 306

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Humidity absorption	0.1	%	Sim. to ISO 62
^[C] Density	1270	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding, Profile Extrusion, Other Extrusion

Special Characteristics

Heat stabilized or stable to heat

Delivery form

Pellets

Regional Availability

North America, Europe, Asia Pacific

Other text information

Injection molding

- [Injection Molding Recommendations](#)
- [Steel recommendations for molds screws and barrels](#)
- [Trouble shooting guideline for injection molding](#)

Other extrusion

- [Extrusion guideline Arnitel® C and Arnitel® U](#)
- [Arnitel® Recommendations for Extrusion](#)