

Product Texts

- medium viscosity
- impact modified
- UV stabilized
- flame retardant
- improved chemical resistance compared to standard Makrolon grades
- electrical/electronic
- housing parts

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	25	cm ³ /10min	ISO 1133
Temperature	300	°C	-
Load	5	kg	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	2250	MPa	ISO 527
^[C] Yield stress	60	MPa	ISO 527
^[C] Yield strain	5.9	%	ISO 527
^[C] Nominal strain at break	>50	%	ISO 527
^[C] Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
^[C] Puncture - maximum force, +23°C	5000	N	ISO 6603-2
^[C] Puncture - maximum force, -30°C	6200	N	ISO 6603-2
^[C] Puncture energy, +23°C	51	J	ISO 6603-2
^[C] Puncture energy, -30°C	57	J	ISO 6603-2

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Temp. of deflection under load, 1.80 MPa	115	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	129	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	136	°C	ISO 306
^[C] Burning Behav. at thickness h	V-1	class	IEC 60695-11-10
Thickness tested	1.0	mm	-

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Water absorption	0.36	%	Sim. to ISO 62
^[C] Humidity absorption	0.12	%	Sim. to ISO 62
^[C] Density	1190	kg/m ³	ISO 1183

[C]: CAMPUS

Test specimen production	Value	Unit	Test Standard
ISO Data			
^[C] Injection Molding, melt temperature	300	°C	ISO 294
Injection Molding, mold temperature	90	°C	ISO 294

[C]: CAMPUS

Characteristics

Special Characteristics

Flame retardant, High impact or impact modified, U.V. stabilized or stable to weather

Applications

Electrical and Electronical

Chemical Resistance

General Chemical Resistance

Regional Availability

North America, Europe, Asia Pacific, Near East/Africa