Akulon® Fuel Lock FLE40-HP

PA6-I — Envalior

Product Texts

Low fuel permeation PA6 suitable for use in blow molding

ISO 1043 PA6-I

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
[C] Melt volume-flow rate, MVR	**35 / ***	cm³/10min	ISO 1133
Temperature	**275 / ***	°C	-
Load	**21.6 / ***	kg	-

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**1880 / 500**	MPa	ISO 527
[C] Yield stress	**48 / -**	MPa	ISO 527
[C] Yield strain	**4 / -**	%	ISO 527
[C] Nominal strain at break	**>50 / -**	%	ISO 527
[C] Charpy impact strength, +23°C	**N / N**	kJ/m²	ISO 179/1eU
[C] Charpy impact strength, -30°C	**N / N**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**100 / N**	kJ/m²	ISO 179/1eA
[C] Charpy notched impact strength, -30°C	**25 / 18**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Vicat softening temperature, B	**130 / ***	°C	ISO 306

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
[C] Water absorption	**7.3 / ***	%	Sim. to ISO 62
[C] Humidity absorption	**2.7 / ***	%	Sim. to ISO 62
[C] Density	**1060 / -**	kg/m³	ISO 1183

[C]: CAMPUS

Test specimen production	Value	Unit	Test Standard
ISO Data			
[C] Processing conditions acc. ISO	**1874**	-	ISO ....-2
[C] Injection Molding, melt temperature	**280**	°C	ISO 294
Injection Molding, mold temperature	**80**	°C	ISO 294
Injection Molding, injection velocity	**200**	mm/s	ISO 294

[C]: CAMPUS

Characteristics

Processing

Blow Molding

Delivery form

Pellets

Special Characteristics

High impact or impact modified, U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Regional Availability

North America, Europe, Asia Pacific

Other text information

Blow molding

Akulon® Fuel Lock Recommendations for Blow Moulding