

POM | KEPITAL F10-52D | UV and Impact Resistance

Features

- UV resistance
- Good sliding performance
- High impact strength

Strengths

- Outstanding outsert molding
- Stable heat cycle
- Low emission

Application

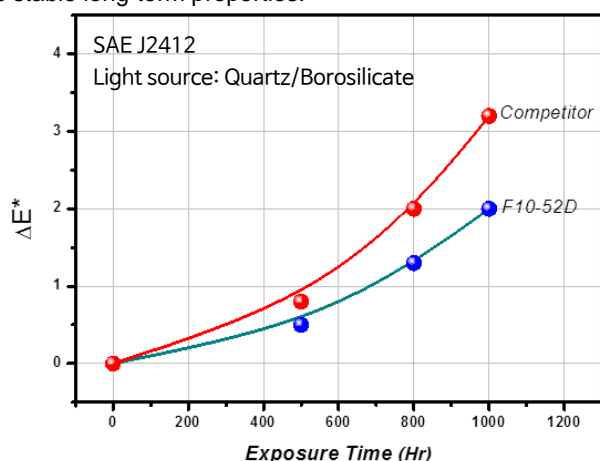


Automotive seat belt D-ring

Specialized in D-rings!

UV resistance

Regular plastic can degrade and shift color UV exposure, which causes strength and emotional quality issues. F10-52D UV resistance is more excellent than competitors with its stable long-term properties.



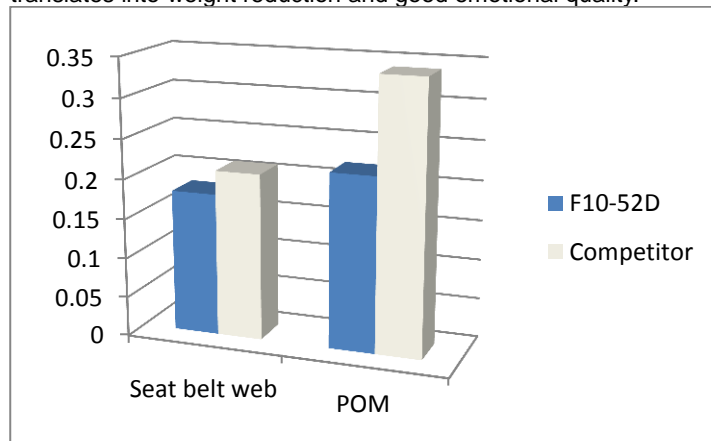
Low emission

Some nations regulate volatile organic compounds for passenger health. F10-52D ensures a more pleasant vehicle environment than its competitor in keeping with KEP R&D's history of end-user-focused quality.

Item	Unit	F10-52D	Competitor
Formaldehyde (VDA275)	mg/kg	3	5 <

Sliding performance

F10-52D shows greater friction and wear resistance than competitor and PA. F10-52D is possible to obtain success in outer metal pad D-rings in automotive seat belt, which translates into weight reduction and good emotional quality.



Counterpart	Item	Unit	F10-52D	Competitor
Seat belt web	Dynamic friction coefficient	-	0.18	0.21
	Specific wear rate	mm³/kgf·km	3.53	6.43
POM	Dynamic friction coefficient	-	0.22	0.34
	Specific wear rate	mm³/kgf·km	3.53	6.43

* Low value means good friction and wear.

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