HabiPLAST™ Fiche technique matériaux
TriboPlus TP40 for profiles

Material description

- Polyéthylène à ultra-haut poids moléculaire (PE-UHMW) à faible frottement
- Très faible taux d'usure
- Moins de poussière et moins de microplastiques par rapport au PE-UHMW standard
- Vitesse et limite de charge plus élevées (limite PxV élevée) par rapport au PE-UHMW standard
- Résistant aux agents nettoyants couramment utilisés dans les applications alimentaires
- Sans halogène et conforme à la directive RoHS
- Sans silicone
- Aucune restriction concernant le recyclage ou l'incinération
- Convient au contact alimentaire direct (à l'exception des aliments gras), voir les certificats alimentaires – DoC sur www.Habasit.com

Code	Property	Couleur
TP40-C+FG		Bleu

Material properties

General	**Nominal value**
Code	TP40-C+FG
Color	blue
Density	0.93 g/cm³
Water absorption	< 0.01 %
Thermal	**Nominal value**
Temperature range	-70°C to +65°C -94°F to +150°F
Coeff. of linear thermal expansion a	0.20 mm/(m•K) 0.00133 in/(ft•°F)
Electrical	**Nominal value**
Volume resistivity	>10¹⁴ Ohm•cm
Surface resistivity	>10¹³ Ohm

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Coefficient de friction et taux d'usure

Bande / Chaîne	Friction (-) (1)	Taux d'usure (2)
HabasitLINK® POM	0.17	A++
HabasitLINK® PP	0.16	A+
HabasitLINK® WHI	0.15	A++
HabasitLINK® PA	0.18	A+
HabasitLINK® PA+FRF	0.22	A++
HabasitLINK® PE	0.25	B
HabaCHAIN® DP	0.17	A++
HabaCHAIN® LF	0.16	A++
HabaCHAIN® PT	0.17	A+
HabaCHAIN® TS	0.15	A++
HabaCHAIN® NG	0.18	A++
Acier inoxydable	0.13	A++

A++: Meilleure performance
A+: Bonne performance
A: Combinaison standard
B: Acceptable mais non recommandé
C: Ne pas utiliser

(1) mesuré sur un convoyeur test avec une charge de 1500 kg/m2, une plage de vitesse comprise entre 5 et 15 m/min, une distance d'essai de 800 km, dans des conditions standard
(2) Evalué à partir d'un essai "pointe sur disque", taux d'usure total combiné, dans des conditions standard

Habasit support for design and calculation

Pour faciliter la conception et le calcul des convoyeurs à bande modulaire en plastique, Habasit fournit sur demande des documents et des outils supplémentaires.

- Guide technique contenant des informations complémentaires sur la conception et le calcul des convoyeurs.
- Programme de calcul permettant d'analyser le dimensionnement et les forces agissant sur un convoyeur en cours de conception.

Pour plus d'informations ou pour obtenir ces documents supplémentaires, veuillez nous contacter.

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