

POLYETHYLENE PRODUCTS

Selection Table

FEATURES PRODUCTS	Mol. weight (*)	Colours	Additives	Sliding properties (coeff. of friction)	Wear Resistance (plastics pin on steel disk)	Abrasion resistance (sand-slurry)	UV-resistance	ESd-properties	Food contact compliant composition (EU & FDA)
TIVAR® DrySlide	9	black	IL + SDA	very good	very good	very good	good	yes	no
TIVAR® TECH	9	grey-black	MoS ₂	good	excellent	very good	moderate	no	no
TIVAR® Oil Filled	9	grey	oil + pigments	very good	very good	very good	moderate	no	yes (FDA only)
TIVAR® SurfaceProtect	5	natural	IL	very good	good	good	moderate	no	yes
TIVAR® ChainLine	5	black	IL/SDA	very good	good	good	good	yes	no
TIVAR® Cestigreen	5	green	SDA + pigments	good	excellent	good	moderate	yes	no
TIVAR® DS	9	yellow, grey	pigments	good	very good	very good	moderate	no	yes (EU only)
TIVAR® Ceram P	9	yellow-green	GB+ pigments	good	excellent	very good	moderate	no	yes (EU only)
TIVAR® SuperPlus	9	grey	IL + pigments + other	very good	excellent	very good	moderate	no	no
TIVAR® Xtended Wear	9	light grey	minerals + pigment	good	excellent	excellent	moderate	no	no
TIVAR® VisiLiner	9	bicoloured	pigments + other	good	excellent	very good	moderate (***)	no (***)	no (***)
TIVAR® H.O.T.	9	white	HS + pigments	good	good	very good	moderate	no	yes
TIVAR® Burnguard	5	black	FR	good	good	moderate	good	yes	no
TIVAR® CleanStat	5	black	SDA	good	good	good	good	yes	yes
TIVAR® 1000 ASTL	9	black	SDA	good	very good	very good	very good	yes	yes (EU only)
TIVAR® 1000 EC	5	black	SDA	good	good	good	very good	yes	yes (EU only)
Borotron® UH	5	natural	boron	moderate	good	moderate	moderate	no	no
Borotron® HM	0.5	natural	boron	moderate	poor	poor	moderate	no	no
TIVAR® 1000	5	nat., green, black, other colours	none or pigments	good	good	good	moderate	no	yes [EU only (**)]
TIVAR® 1000 ESD	5	black	SDA	good	good	good	good	yes	yes (EU only)
TIVAR® 1000 R	5	green, black	pigments	good	moderate	moderate	moderate	no (yes for black)	no
PE 500	0.5	nat., green, black, colours	none or pigments	good	poor	poor	moderate	no	yes [EU only (**)]

(*): average molecular weight (10⁶ g/mol)

(**): this applies only for black and colours

(***): depending on the colour of the layers used, this property can be rated differently. Please consult us.

Abbreviations: SDA: static dissipative additive; GB: glass beads; IL: internal lubricant; HS: heat stabiliser; FR: flame retardant

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