

POLYETHYLENE PRODUCTS

Selection Table

FEATURES → PRODUCTS ↓	Mol. weight ⁽¹⁾	Colours	Additives	Sliding properties (coefficient of friction)	Wear resistance (plastics pin on steel disk)	Abrasion resistance (sand-slurry)	UV-resistance	ESd-properties	Food contact compliant composition [EU & USA (FDA)]
TIVAR® DrySlide	9	black	IL + SDA	very good	very good	very good	good	yes	no
TIVAR® TECH	9	grey-black	MoS2	good	excellent	very good	moderate	no	yes (EU)
TIVAR® Oil Filled	9	grey	oil + pigments	excellent	very good	very good	moderate	no	yes (USA)
TIVAR® SurfaceProtect	5	natural	IL	very good	moderate	good	moderate	no	yes (EU & USA)
TIVAR® ChainLine	5	black	IL + SDA	very good	good	good	good	yes	no
TIVAR® Cestigreen	9	green	SDA + pigments	good	excellent	very good	moderate	yes	no
TIVAR® DS	9	yellow, grey	pigments	good	very good	very good	moderate	no	yes (EU & USA)
TIVAR® Ceram P	9	yellow-green	GB+ pigments	good	excellent	excellent	moderate	no	no
TIVAR® SuperPlus	9	grey	IL + pigments + other	good	excellent	excellent	moderate	no	no
TIVAR® Xtended Wear	9	light grey	minerals + pigments	good	excellent	good	moderate	no	no
TIVAR® H.O.T.	9	bright-white	HS + pigments	good	very good	excellent	moderate	no	yes (EU & USA) ⁽³⁾
TIVAR® Burnguard	5	black	FR	good	good	moderate	good	yes	no
TIVAR® CleanStat	5	black	SDA	good	good	very good	good	yes	yes (EU & USA) ⁽³⁾
TIVAR® 1000 ASTL	9	black	SDA	good	very good	very good	very good	yes	yes (EU)
TIVAR® 1000 EC	5	black	SDA	good	good	good	very good	yes	yes (EU)
BOROTRON UH	5	natural	B2O3	moderate	good	moderate	moderate	no	no
BOROTRON HM	0.5	natural	B2O3	moderate	poor	poor	moderate	no	no
TIVAR® 1000	5	natural, green, black, colours	none or pigments	good	good	good	moderate	no	natural: yes (EU & USA) ⁽³⁾ (2): yes (EU)
TIVAR® 1000 antistatic	5	black	SDA	good	good	good	good	yes	yes (EU)
TIVAR® ECO green	-	green	pigments	good	moderate	moderate	moderate	no	no
TIVAR® ECO black antistatic	-	black	pigments	good	moderate	moderate	moderate	yes	no
PE 500	0.5	natural, green, black, colours	none or pigments	good	poor	poor	moderate	no	natural: yes (EU & USA) (2): yes (EU)

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

(2) : black and standard colours

(3) : also 3-A Dairy compliant

Abbreviations:

SDA : static dissipative additive

GB : glass beads

IL : internal lubricant(s)

HS : heat stabiliser

FR : flame retardant



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