

DUPONT NON-HALOGEN* FR RESINS DELIVER LOW ENVIRONMENTAL IMPACT AND HIGH PERFORMANCE

Choose the resin that best fits your electrical/electronic part's particular requirements from the industry's broadest portfolio of non-halogenated flame-retardant engineering polymer grades; our offering embraces two polymer families: PPA and PA66.



Connectors, circuit breakers, housing molded from non-halogenated Zytel® PA66 and Zytel® HTN meet demanding requirements for low environmental impact, high-temperature assembly and reliable service.

The DuPont range of non-halogenated flame retardant enable you to meet high standards for product performance while taking responsible action to protect the environment and comply with government mandates and customer requirements with regards to safety & health. The resins also contain no elemental phosphorous or heavy metals.

Features and benefits:

- Compatibility with emerging recycling loops for electrical and electronic goods;
- Reduced environmental footprint;
- More potential for approval of your customers' products by government agencies, NGOs and their customers.

Use of our resins for electrical & electronics components, appliance parts and other applications provide a compliance with European Union directives for "Waste Electrical and Electronic Equipment" (WEEE) and "Restriction on Hazardous Substances" (RoHS).

DuPont non-halogenated grades from these two engineering polymer families are available:

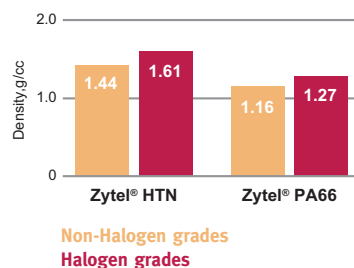
DuPont™ Zytel® HTN PPA, Zytel® PA66. See p. 2 for a list of grades and uses.

Several of our non-halogenated grades have lower density and better tracking resistance (see charts) than comparable halogen-containing products. Lower density provides a cost advantage, because it allows lightweighting. The benefit of improved tracking resistance is that it can allow parts to serve in more demanding electrical applications.

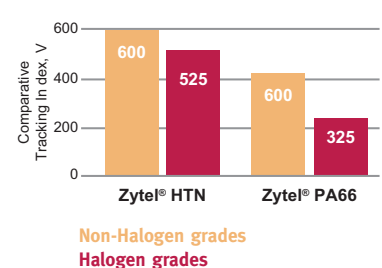
Non-halogen grades

- Zytel® FR 7025V0F
- Zytel® FR7026V0F
- Zytel® FR 95G25V0NH
- Zytel® HTN FR52G20NH
- Zytel® HTN FR52G30NH
- Zytel® HTN FR52G30NHF
- Zytel® HTN FR52G35NHF

Lower Density Saves on Part Cost



More Tracking Resistance



For more information:
plastics.dupont.com

*Halogen-free when used herein means that halogen is not an intended ingredient of our product.

Product	PROPERTIES								TYPICAL APPLICATIONS							
	POLYMER FAMILY	%GR	UL 94 V ₀ (mm)	LOI (%)	GWIT (°C)	GWFI (°C)	RTI Electr (°C)	CTI UL Class/V	Electronic Connectors	Industrial circuit breakers	Fuse switchers	Terminal blocks	Contactors	Railways-automation and control	EIS systems	Photovoltaics (JB, Inverters)
HALOGEN																
ZYTEL® FR50	PA	25	0,35	35	900 (0.75)	960 (0.75)	130 (0.75)	2 (250TK400)	●	●	●	●	●	●	●	●
ZYTEL® FR72G25V0	PA	25	0,5	40	850 (0.83)	960 (0.83)	140 (0.83)	2 (325)	●	●	●	●	●	●	●	●
ZYTEL® FR70M30V0	PA	30 M	1	37	800 (0.75)	960 (0.75)	105 (0.75)	2 (250TK400)	●	●	●	●	●	●	●	●
CRASTIN® S650FR	PBT	UNR	0,75	na	725 (1.0)	960 (0.82)	130 (0.75)	2 (250TK400)	●	●	●	●	●	●	●	●
CRASTIN® SK642FR	PBT	15	0,75	na	725 (1.0)	960 (0.82)	140 (0.75)	3 (175TK250)	●	●	●	●	●	●	●	●
CRASTIN® SK645FR	PBT	30	0,75	24	750 (1.0)	960 (1.0)	140 (0.75)	2 (250)	●	●	●	●	●	●	●	●
CRASTIN® LW9020FR	PBT	20	1,5	27	750 (1.0)	960 (1.0)	140 (0.75)	2 (250TK400)	●	●	●	●	●	●	●	●
CRASTIN® LW9030FR	PBT	30	0,75	27	750 (0.75)	960 (0.75)	140 (0.75)	1 (425)	●	●	●	●	●	●	●	●
CRASTIN® ST830UVFR	PBT	UNR	0,85	na	750 (0.75)	960 (0.75)	130 (0.85)	0 (600)	●	●	●	●	●	●	●	●
RYNITE® FR515	PET	15	0,86	32	700 (2.0)	960 (1.0)	140 (0.86)	3 (200)	●	●	●	●	●	●	●	●
RYNITE® FR530	PET	30	0,35	33	800 (0.75)	960 (0.75)	155 (0.75)	3 (200)	●	●	●	●	●	●	●	●
ZYTEL® HTN FR52G30BL	PPA	30	0,75	45	925 (0.75)	960 (0.75)	140 (0.75)	1(450)	●	●	●	●	●	●	●	●
ZYTEL® HTN FR52G45BL	PPA	45	0,75	na	na	na	140(0.75)	1 (400TK600)	●	●	●	●	●	●	●	●
NON HALOGEN																
ZYTEL® FR95G25V0NH	PA	25	0,5	32	725 (1 mm)	960 @ 1	TBD	0 (600)	●	●	●	●	●	●	●	●
ZYTEL® FR7025V0F	PA	UNR	0,4	35	775 (0.75)	960 (0.75)	130 (0.75)	1 (500)	●	●	●	●	●	●	●	●
ZYTEL® FR7026V0F	PA	UNR	0,4	39	960 (0.82)	960 (0.82)	130 (0.82)	1 (500)	●	●	●	●	●	●	●	●
ZYTEL® HTN FR52G20NH	PPA	20	0,4	na	na	na	65 (0.75)	0 (600)	●	●	●	●	●	●	●	●
ZYTEL® HTN FR52G30NH	PPA	30	0,4	40	725 (0.75)	960 (0.75)	140 (0.75)	0 (600)	●	●	●	●	●	●	●	●
ZYTEL® HTN FR52G30NHf	PPA	30	0,4	na	725 (0.75)	960 (0.75)	140 (0.75)	0 (600)	●	●	●	●	●	●	●	●
ZYTEL® HTN FR52G35NHf	PPA	35	0,75	na	775 (0.75)	960 (0.75)	na	0 (600)	●	●	●	●	●	●	●	●

● Suitable ● Possible ● Not suitable

We can help

DuPont is strongly committed to expansion and investment in environmentally friendly solutions. Please contact the DuPont representative in your country or global region to discuss how we can work together.

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