

GLOBAL PRODUCT LINE:

VALOX™ & XENOY™ RESINS

VALOX & XENOY resins are a semi-crystalline family of PBT, PET and blends with Polycarbonate (PC) resins, offering an outstanding mix of value added properties for varieties of applications.

MVR: 250°C/2.16kg - #265°C/2.16kg , cm3/10min,
 * MFR 250°C/2.16kg; **MFR 266°C/5kg;
 flexural modulus, 2mm/min, Mpa; HDT0.45MPa;
 Vicat B50 softening temp, °C;
 UL 94 flame class rating

FLAME RETARDANCY – NON-BROMINATED - NON-CHLORINATED		MVR	GF%	FLEX. MODUL	HDT	VICAT SOFT. TEMP.	UL LISTING	PROMOTABLE REGION
ENH3500	Unreinforced PBT non-brominated, non-chlorinated FR	#20	0	2700	–	–	V0/0.8mm	GLOBAL
ENH4530	15% GF, reinforced PBT. non-brominated, non-chlorinated FR	17	15	6400	220	205	V0/0.8mm	GLOBAL
ENH4550	25% GF, reinforced PBT. non-brominated, non-chlorinated FR	20	25	9200	220	205	V0/0.3mm	GLOBAL
ENH4560	30% GF, reinforced PBT. non-brominated, non-chlorinated FR	16	30	10000	223	207	V0/0.8mm	GLOBAL
ENH8530	15% GF, reinforced PBT/PET. non-brominated, non-chlorinated FR	11	15	6300	215	202	V0/1.5mm	GLOBAL
ENH8560	30% GF, reinforced PBT/PET. non-brominated, non-chlorinated FR	10	30	10000	210	196	V0/1.5mm	GLOBAL

FLAME RETARDANCY – CHEMICAL RESISTANCE

310SE0	Unreinforced PBT	8	0	2600	135	165	V0/0.71mm	GLOBAL
357	Unreinforced PBT/PC, impact modified & low warpage	8@5kg	0	2000	135	145	V0/0.75mm	AMR/PAC
357X	Unreinforced PBT/PC, impact modified & low warpage	8@5kg	0	2000	135	145	V0/0.75mm	EMEA/PAC
357XU	Unreinforced PBT/PC, UV stabilized, impact modified & low warpage	8@5kg	0	2000	135	145	V0/0.75mm	EMEA/PAC
364	Unreinforced PBT, improved weatherability	19@5kg	0	1830	103	115	V0/1.5mm	GLOBAL
420SE0	30% GF reinforced PBT	11	30	9500	220	205	V0/0.71mm	GLOBAL
457	6.5% GF reinforced PBT	11	6.5	3700	200	188	V0/0.71mm	GLOBAL
553(U)	30% GF, reinforced PBT/PC, impact modified & low warpage	7	30	8000	205	170	V0/0.86mm	GLOBAL
855	15% GF reinforced PBT/PET, improved surface appearance	11@1,2kg	15	5000	210	190	V0/1.5mm	GLOBAL
865	30%GF reinforced PBT/PET, improved surface appearance	7@1,2kg	30	8000	215	200	V0/1.5mm	GLOBAL
DR48	17% GF reinforced PBT.	14	15	5500	215	185	V0/0.89mm	GLOBAL
V3900WX	Unreinforced PBT, improved weatherability	11	0	2200	–	105	V0/08mm	GLOBAL
V4760	30% GF reinforced PBT, Thin wall	28@5kg	30	9500	209	202	V0/0.28mm	GLOBAL
V4860HR	30% GF reinforced PBT, Hydrostable.	12@5	30	6740	221	176	V0/08mm	GLOBAL
ENH2900	Unreinforced PC/PBT, non-brominated, non-chlorinated FR, improved shrink	**26	0	2260	–	102	V0/1.5mm	GLOBAL
ENH2901RC*	PCR Content (up to 40%) based PC PBT grade.	**30	0	2400	–	101	V0/1.5mm	GLOBAL

* please contact your regional Product Manager before positioning as it's depending on availability of raw material

Typical values only. This document is made available for introductory purposes.

General Value Proposition

FLAME RETARDANCY- CHEMICAL RESISTANCE

Improved flame retardancy to meet thinner wall UL94 ratings, able to achieve below 1mm thickness

- Non-brominated, non-chlorinated flame retardant system
- Variety of melt flow offerings with balanced impact & heat performance
- Ease of molding for productivity
- Enhanced Hydrolytic & chemical resistance
- Portfolio designed to meet governmental regulations & voluntary ECO labels including RoHS, TCO, Blue Angel and others

	SABIC® PP	LEXAN™	CYCOLOY™	GELOY™	XENOY™	CYCOLAC™	VALOX™
Property	PP	PC	PC/ABS	PC/ASA	PC/PBT	ABS	PBT
Processability	+++	+	++	++	0	+++	+++
Low Temp. Impact	+	+	++	+	+++	+	0
Heat	0	+++	++	++	++	+	+++
UV Stability	-	+	+	++	++	-	++
Weatherability	-	+	0	++	++	-	++
Colorability	+++	++	++	+	+	+++	++
Aesthetics	++	++	+	+	+	++	+
Paintability	0	++	++	++	++	++	0
Density	+++	+	+	+	+	++	+
Modulus/Impact balance	+	+	++	+	++	++	0

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