

PRODUCT LINE GUIDE: GELOY™ RESINS

GELOY resins are amorphous PC/ASA blends that offer excellent property retention after weathering of ASA materials and the superior mechanical properties and heat resistance of polycarbonate (PC) resins.



NON-FLAME RETARDANT GELOY RESINS

MVR: 260°C/5KG, CM³/10MIN; FLEXURAL MODULUS, 2MM/MIN, MPA;
IZOD IMPACT, NOTCHED, +23°C, KJ/M²; VICAT B120 SOFTENING TEMP, °C;
UL 94 FLAME CLASS RATING

	MVR	FLEXURAL MODULUS	IZOD IMPACT	VICAT SOFTENING TEMP	UL LISTING
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General purpose GELOY resins - PC/ASA blends offering excellent balance of heat, flow and impact with good property retention after weathering

XP7550	Injection molding grade combining high flow with a balanced heat and impact performance	26	2550	35	106	—
XP7560	General purpose injection molding grade	20	2500	20	107	HB/3.2
HRA150	High heat resistant, high impact retention and color stability upon weathering. Suitable for various outdoor and indoor applications requiring superior weathering properties	15	2400	45	120	HB/0.75-3.0
HRA170	High heat, high impact resistant injection molding grade with high impact retention	17	2400	60	132	HB/1.6

GELOY anti-dust resins - PC/ASA blends offering excellent balance of heat, flow and impact with good property retention after weathering providing permanent antistatic behavior

HRA170D	High heat, high impact resistant injection molding grade with permanent antistatic behavior. It is typically used in applications that require anti-dust properties and high impact retention	29	2100	60	122	—
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GELOY PMMA resins - PC/ASA/PMMA blends offering best property retention after weathering

XP4025	Medium heat modified injection molding grade for automotive exterior applications. It shows very good properties, gloss and color retention, as well as faster cycle time over competitive material	18	2350	15	107	HB/1.5
XP4034	Medium heat modified injection molding grade suitable for automotive unpainted exterior applications	15	2500	23	109	—

GELOY (Co)Extrusion resins - ASA/SAN blends provide excellent behavior in injection molding, sheet and profile extrusion and blowmolding

CR3020	Low gloss ASA/SAN grade, UV stabilized, for profile extrusion that can be coextruded over ABS, PVC or other compatible polymers	6	1860	25	100	—
CR7020	ASA/SAN grade, UV stabilized, for profile extrusion that can be coextruded over ABS, PVC or other compatible polymers. This grade is also suitable for injection molding	8	1900	15	90	HB/1.0
CR7500	High heat ASA with good flow-impact balance. For automotive applications and automotive colors only	10	2060	15	105	—

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FLAME RETARDANT GELOY RESINS

MVR: 260°C/2.16KG, CM³/10MIN; FLEXURAL MODULUS, 2MM/MIN, MPA;
IZOD IMPACT, NOTCHED, +23°C, KJ/M²; VICAT B120 SOFTENING TEMP, °C;
UL 94 FLAME CLASS RATING

		MVR	FLEXURAL MODULUS	IZOD IMPACT	VICAT SOFTENING TEMP	UL LISTING
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Flame retardant general purpose GELOY resins - PC/ASA blends using non-brominated and non-chlorinated additives offering good balance of heat, flow and impact

HRA222	Multi-purpose injection molding grade	13	2510	17	104	V0/2 5VB/2.3
HRA222F	UV stabilized multipurpose injection molding grade with an f1 rating according to UL746C	13	2510	17	104	V0/2 5VB/2.3

GENERIC PROPERTY COMPARISON

PROPERTY*	PC/ABS	PC/ASA
High heat	●	●
Good processability	●	●
Impact @ RT	●	●
Impact @ low T	●	●
Halogen free FR	●	●
Paintability/platability	●	●
Property retention on UV exposure	●	●
Thermal stability	●	●
Chemical resistance	●	●

● Yes ● No



* Important: these are generic properties, improved specific grades can exist in either product

- Version 1 of 2014
- Applicable for Europe, Middle East & Africa
- This version replaces all previous versions

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