

# CYCOLOY™ RESINS

CYCOLOY™ resins are amorphous thermoplastic polycarbonate acrylonitrile-butadiene- styrene blends which provide excellent processing and superior heat and impact resistance, even at below ambient temperature, in combination with outstanding aesthetics.

GENERAL PURPOSE		MVR	FLEXURAL MODULUS	IZOD IMPACT	VICAT SOFTENING TEMP	UL94 LISTING
C1200HF	High heat PC/ABS blend offering high flow and high impact.	22	2300	50	134	HB/1.2-3.0
HYDRO STABLE						
XCY620	Medium heat PC/ABS blend offering hydrolytic and heat aging stability	18	2200	55	127	-
XCY620S	Excellent balance of flow and impact. Available in limited colors	20	2200	55	130	-
XCY630	Medium heat PC/ABS Blend offering hydrolytic and heat aging stability	22	2300	65	127	-
PLATEABLE						
CP8320	Medium flow, high impact grade, plateable	13	2000	60	107	-
LOW GLOSS						
LG9000	Good impact / heat balance with a low gloss surface appearance.	20	2400	45	124	HB/1.2-3.0
HEALTHCARE						
HC1204HF	Biocompatible according to ISO10993 and USP Class VI.	22	2300	50	128	HB/1.2-3.0
HIGH MODULUS MINERAL FILLED						
CM8622	PC/ABS blend, high heat/modulus, good impact/aesthetics	15^	3600	13	134	-
C4210HF	PC/ABS blend, 10% glass reinforced. High heat.	33^	4250	8	136	HB/1.5-3.0
C4220	PC/ABS Blend, 20% Glass Reinforce. High heat resistance	12^	5300	8	137	HB/1.5-3.0
XCM830	PC/ABS with high stiffness and impact performance	9^	3100	40	140	-
	Standard Unit	ISO1033 cm3/10min	ISO178 MPa	ISO180/1A kJ/m²	iSO306 °C	UL94 Flame class rating x mm
	Condition	260°C/2.16kg ^260°C/5kg		Notched +23°C	B/120	

	SABIC® PP	LEXAN™	CYCOLOY™	GELOY™	XENOY™	VALOX™	XYLEX™	SABIC® PMMA	CYCOLAC™
Property	PP	PC	PC/ABS	PC/ASA	PC/PBT	PBT	PC/ Polyester	PMMA	ABS
Processability	+++	+	++	++	0	++	+	++	+++
Low Temperature Impact	+	+	++	+	+++	0	+	-	+
Heat	0	+++	++	++	++	+++	++	+	+
Non-halogenated FR available	Yes	Yes	Yes	Yes	N.A.	No	N.A.	N.A.	No
UV Stability	-	+	+	++	++	++	++	++	-
Weatherability	-	+	0	++	++	++	++	++	-
Colorability	+++	++	++	+	+	+	+	++	+++
Aesthetics	++	++	+	+	+	+	+	++	++
Paintability	0	++	++	++	++	0	++	++	++
Density	+++	+	+	+	+	+	+	+	++
Modulus/Impact balance	+	+	++	+	++	0	++	0	++
Transparency	No	Yes	No	No	No	No	Yes	Yes	No

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