

XANTAR® Polycarbonates & Blends

Grade selection guide

Material	General characteristics	Additional features	UL 94 classification	Melt viscosity	Grade	UV stabilized grade	Food contact & steam resistant grade	
XANTAR	Non-reinforced	General purpose	V-2 at 0.75 mm	extremely low	18 R	18 UR	18 SR FD	
			V-2 at 0.75 mm	very low	19 R	19 UR	19 SR FD	
			V-2 at 0.75 mm	low	22 R	22 UR	22 SR FD	
			V-2 at 0.75 mm	medium	24 R	24 UR	24 SR FD	
			V-2 at 1.5 mm	high	25 R	25 UR	25 SR FD	
			V-2 at 1.5 mm	very high	27 R	27 UR	27 SR FD	
		Flame retardant	opaque only	V-0 at 3.0 mm	low	F 22 R	F 22 UR	
				V-0 at 3.0 mm	medium	F 23 R	F 23 UR	
				V-0 at 3.0 mm	high	F 25 R	F 25 UR	
			V-0 at 2.0 mm	low		RX 2124		
			V-0 at 1.5 mm	very low	FC 19 R	FC 19 UR		
			V-0 at 1.5 mm	low	FC 22 R	FC 22 UR		
	V-0 at 1.5 mm	medium	FC 23 R	FC 23 UR				
	V-0 at 1.5 mm	high	FC 25 R	FC 25 UR				
	Reinforced	Standard GF	10% reinforced	V-0 at 1.5 mm	medium	G2F 23 R	G2F 23 UR	
			20% reinforced	V-0 at 1.2 mm	low	G4F 22 R	G4F 22 UR	
				V-0 at 1.2 mm	medium	G4F 23 R	G4F 23 UR	
				V-0 at 1.2 mm	high	G4F 25 R	G4F 25 UR	
			30% reinforced	V-0 at 1.5 mm	medium	G6F 23 R	G6F 23 UR	
			40% reinforced	V-0 at 1.5 mm	medium	G8F 23 R	G8F 23 UR	
		GF Specialties	9% very high flow	V-0 at 1.5 mm	very low	MX 1094		
			20% special GF	V-0 at 1.5 mm	medium	MX 1080		
			30% reinforced	V-0 at 0.75 mm	medium	MX 1092		
			40% very high flow		very low	RX 1093		
			10% steam resistant	V-0 at 1.5 mm	high	MX 1081		
			20% steam resistant	V-0 at 1.5 mm	high	MX 1082		
	Engineering Structural Foam	Exothermic blowing agent masterbatch	Basic grade, 5% reinforced		ca. 3% usage	MX 1051		
20% reinforced			5VA at 4.8 mm	medium	SF 22			
30% reinforced			5VA at 4.8 mm	medium	SF 2220			
			5VA at 4.8 mm	medium	SF 2230			
Specialties	Impact modified	optimized ESCR		medium	MX 1020			
		optimized impact		medium	MX 1021			
	E&E equipment	opaque only	V-0 at 1.5 mm	extremely low	MX 1000		*)	
		opaque only	V-0 at 0.8 mm	extremely low	MX 1001			
		opaque only	V-0 at 1.5 mm	low	MX 1002			
		WEEE compliant	V-0 at 1.5 mm	low	MX 1004			
		*)		low	MX 2015			
	Anti-dust		low					
	Steam resistant	V-0 at 1.5 mm	medium					
	Extra steam resistant		medium			MX 2042 FD		
	Gamma radiation resistant		low			*)		
	Blow moulding		high			*)		
Optical	high reflectivity lens systems	V-0 at 2.0 mm	very low	RX 2121				
	UV cut-off at 400 nm			*)				
Special GWI				*)				

*) Grade information available at Technical Center.

XANTAR[®], Polycarbonates & Blends

Grade selection guide

Material	General characteristics	Additional features	UL 94 classification	Melt viscosity	Grade	
XANTAR XRM	Non-reinforced	Flame retardant	V-1 at 1.5 mm	low	RX 1006	
	Reinforced	Flame retardant	9% reinforced V-1 at 1.5 mm	very low	RX 5010	
XANTAR LF	Non-reinforced	Low friction & wear		very low	LF 2201	
		Very low friction & wear		very low	LF 2202	
		Extremely low friction & wear		very low	LF 2203	
	Reinforced	Low friction & wear	10% reinforced		very low	LF 2211
			20% reinforced 30% reinforced		very low very low	LF 2212 LF 2213

Material	General characteristics	Additional features	UL 94 classification	Vicat B/50	Grade	UV stabilized grade	Remarks	
XANTAR C	Non-reinforced	General purpose	HB at 1.5 mm	110 °C	CM 206	CM 206 U	High flow/high impact	
			HB at 1.5 mm	120 °C	CM 406	CM 406 U	High flow/high impact	
			HB at 1.5 mm	130 °C	CM 506	CM 506 U	High flow/high impact	
		Flame retardant	injection moulding grades	V-0 at 1.5 mm	104 °C	CF 107		Balanced impact/flow
				V-0 at 1.5 mm	104 °C	MC 3433		
				V-0 at 1.5 mm	120 °C	CF 407		
		extrusion grades	V-0 at 1.5 mm	120 °C	CE 407		Specialties	
	Reinforced	General purpose	10% reinforced	HB at 1.5 mm	130 °C	RC 3304		
			20% reinforced	HB at 1.5 mm	130 °C	RC 3305		
		Flame retardant	10% reinforced	V-0 at 1.5 mm	115 °C	RC 3504		
20% reinforced				V-0 at 1.5 mm	115 °C	CF 447		
XANTAR E	Non-reinforced	General purpose	HB at 1.5 mm	130 °C	EM 605			
XANTAR AM	Non-reinforced	General purpose		130 °C	RC 3800			
High temperature				145 °C		RX 3812		
XANTAR LDS	Non-reinforced	Standard	HB at 1.6 mm	120 °C	LDS 3710			
		High impact	HB at 1.5 mm	120 °C	LDS 3720			
		Flame retardant	V-0 at 1.5 mm	145 °C	LDS 3730			

*) Grade information available at Technical Center.