

Grade selection guide

Material	General characteristics	Additional features	UL 94 classification	Melt viscosity	Release agent	UV stabilized + release agent	Food contact + Release agent + Steam resistant	
Xantar	Unreinforced	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 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				
	Optical	Lens systems UV cut-off at 400 nm			*)	*)		
	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		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 high	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					
GWl at 960 °C 1.6 mm <5s		low	RX 2022					
Engineering Structural Foam	Exothermic blowing agent masterbatch	Basic grade, 5% reinforced	5VA at 4.8 mm	medium	SF 22			
		20% reinforced	5VA at 4.8 mm	medium	SF 2220			
		30% reinforced	5VA at 4.8 mm	medium	SF 2230			
				ca. 3% usage	MX 1051			
Specialties	Impact modified	optimized ESCR		medium	MX 1020			
		optimized impact		medium	MX 1021			
	Low wear/friction E&E equipment E&E equipment E&E equipment Anti-dust Extra steam resistant Gamma radiation resistant Blow moulding	opaque only	V-0 at 1.5 mm	extremely low	MX 1000 MX 1001 MX 1002 MX 1004 (PTFE filled grades))	*)		
		opaque only	V-0 at 0.8 mm	extremely low				
		opaque only	V-0 at 1.5 mm	low				
		WEEE compliant	V-0 at 1.5 mm	low				
				low				
				low				
				medium				
				low				
		high						
					MX 2042 FD			

*) Grade information available at Technical Marketing.

Grade selection guide

Material	General characteristics	Additional features	UL 94 classification	Vicat B/50	Release agent	UV stabilized + release agent	Remarks
Xantar C	Unreinforced	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 405 U	High flow/high impact
			HB at 1.5 mm	130 °C	CM 506	CM 505 U	High flow/high impact
	Flame retardant		V-0 at 1.5 mm	104 °C	CF 107		
			V-0 at 1.5 mm	120 °C	CF 407		
			V-0 at 1.5 mm	120 °C	CE 407		Extrusion grade
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	RC 3505		
Stapron E	Unreinforced	General purpose	HB at 1.5 mm	130 °C	EM 605		