Panlite Grade lists

Human Chemistry, Human Solutions TEIJIN

■ If you would like to search grade characteristics and view technical data sheets, please enter from the URL below.
https://www.teijin-china.com.cn/products/resin/pc/index2.html

General grades

Type	Grade	Characteristics	MVR* (㎤/10min)	MFR* (g/10min)	Main molding methods
Standard (ice color)	L-1225LM	Ultra low viscosity/ Mold release	24	26	Injection molding
	L-1225L LV-2225L	Ultra low viscosity/ Mold release	18	19	Injection molding
	L-1225Y LV-2225Y	Low viscosity/ Mold release	11	12	Injection molding Injection blow molding
	L-1250Y LV-2250Y	Medium viscosity/ Mold release	8	9	Injection molding Injection blow molding
	K-1300Y	High viscosity/ Mold release	2.8	3	Extrusion molding Blow molding Injection molding
Weather resistance	L-1225ZL 100	Ultra low viscosity/ Mold release	25	30	Injection molding
	L-1225Z 100M	Ultra low viscosity/ Mold release	19	20	Injection molding
	L-1225Z 100 LV-2225Z	Low viscosity/ Mold release	11~12	12~13	Injection molding
	L-1250Z 100 LV-2250Z	Medium viscosity/ Mold release	8	9	Injection molding
Optical use	AD-5503	Optical property/ Low contamination	54	70	Injection molding
Flame resistance	LN-2250Y	Flame resistance/Mold release/Transparency	11	12	Injection molding
	LN-2250Z	Flame resistance/Mold release/Transparency/ Weather resistance	11	12	Injection molding
	LN-2525ZA	Flame resistance/Mold release/Translucency/ Weather resistance	11	12	Injection molding
	LN-2520A	Flame resistance(non-bromine/non-phosphor type)/Mold release/ Translucency	18	19	Injection molding
	LN-2520HA	Flame resistance(non-bromine/non-phosphor type)/Mold release/ Translucency	11	12	Injection molding

Type	Grade	Characteristics	MVR* (㎤/10min)	MFR* (g/10min)	Main molding methods
Flame resistance	MN-4800	Flame resistance(non-bromine/non-phosphor type)/Mold release/ Transparency	7	8	Injection molding
	MN-4800Z	Flame resistance(non-bromine/non-phosphor type)/Mold release/ Transparency/Weather resistance	7	8	Injection molding
	MN-4805Z	Flame resistance(non-bromine/non-phosphor type)/Mold release/ Transparency/Weather resistance	1	1	Injection molding
Frictional wear resistance	LS-2250	Frictional wear resistance	-	-	Injection molding
High light reflection	LD-1000RM	Light reflection/ Whiteness/Mold release	-	-	Injection molding
	LN-3050RM	Light reflection/ Whiteness/Mold release/ Flame resistance (non bromine/non-phosphor type)	-	-	Injection molding
	LN-3000RM	Light reflection/ Whiteness/Mold release/ Flame resistance (Phosphor type)	-	-	Injection molding
	LN-1010RM	Light reflection/ Whiteness/Mold release/ Flame resistance	-	-	Injection molding

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Light diffusion grades

Type	Grade	Characteristics	MVR* (cm³/10min)	Main molding methods
Light diffusion	ML-1102	Low light diffusion	11	Injection molding
	ML-1103	Standard	11	Injection molding
	ML-1105	High light diffusion	11	Injection molding
	ML-3500ZEL ML-3500ZNL ML-3500ZPL	UL94 V-2/Low light diffusion/ Weather resistance	18	Injection molding
	ML-6500ZAL	UL94 V-0/Standard/Weather resistance	4	
	ML-7500ZCL	UL94 V-0/Low light diffusion/ Weather resistance	18	
	ML-5206ZLS	UL94 V-0/Slight light diffusion/ Weather resistance	3.5	
	ML-3500ZEH	UL94 V-2/Low light diffusion/ Weather resistance	8	Extrusion molding
	ML-6500ZAH	UL94 V-0/Standard/Weather resistance	2.5	
	ML-7500ZCH	UL94 V-0/Low light diffusion/ Weather resistance	8	
	ML-5206ZHS	UL94 V-0/Slight light diffusion/ Weather resistance	2.5	

Glass fiber reinforced grades

Type	Grade	Characteristics	Main molding methods
Standard	G-3410R	Glass fiber 10%/Mold release/UL94 V-2	Injection molding
	G-3415R	Glass fiber 15%/Mold release/UL94 V-2	
	G-3420R	Glass fiber 20%/Mold release/UL94 V-2	
	G-3430R	Glass fiber 30%/Mold release/UL94 V-2	
Low anisotropy	G-3410H	Glass fiber 10%/Low anisotropy/ Good appearance/UL94 V-2	Injection molding
	G-3420H	Glass fiber 20%/Low anisotropy/ Good appearance/UL94 V-2	
	G-3430H	Glass fiber 30%/Low anisotropy/ Good appearance/UL94 V-2	
Isotropy	G-3310M	Glass fiber 10%/Isotropy/Good appearance/ UL94 V-2	Injection molding
	G-3320M	Glass fiber 20%/Isotropy/Good appearance/ UL94 V-2	
	G-3330M	Glass fiber 30%/Isotropy/Good appearance/ UL94 V-2	
Flame resistance	GN-3410R	Glass fiber 10%/UL94 V-0	Injection molding
	GN-3420R	Glass fiber 20%/UL94 V-0	
	GN-3430R	Glass fiber 30%/UL94 V-0	
	GN-3610L	Glass fiber 10%/non-bromine/non-phosphor /UL94 V-0	
	GN-3620L	Glass fiber 20%/non-bromine/non-phosphor /UL94 V-0	
	GN-3630H	Glass fiber 30%/non-bromine/non-phosphor /Low anisotropy/UL94 V-0	
	GN-3610Z	Glass fiber 10%/non-bromine/non-phosphor /Weather resistance/UL94 V-0	
	GN-3610ZL	Glass fiber 10%/non-bromine/non-phosphor /Weather resistance/High flow/UL94 V-0	

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Glass fiber reinforced grades

Type	Grade	Characteristics	Main molding methods
High flame resistance	GV-3410R	Glass fiber 10%/UL94 V-0	Injection molding
	GV-3420R	Glass fiber 20%/UL94 V-0	
	GV-3430R	Glass fiber 30%/UL94 V-0	
Frictional wear resistance	GS-3410	Glass fiber 10%/Frictional wear resistance/ UL94 V-2	Injection molding
	GS-3420	Glass fiber 20%/Frictional wear resistance/ UL94 V-2	
	GS-3430	Glass fiber 30%/Frictional wear resistance/ UL94 V-2	
Camera use	G-3110PH	Glass fiber 10%/Low anisotropy/ Good appearance/Paintwork	Injection molding
	G-3120PH	Glass fiber 20%/Low anisotropy/ Good appearance/Paintwork	
	G-3130PH	Glass fiber 30%/Low anisotropy/ Good appearance/Paintwork	

PC alloy grades

Type	Grade	Characteristics	Main molding methods
Standard	AM-1300	Polycarbonate[Special modification]	Injection molding
	AM-8030	Polycarbonate/Polyester alloy[Chemical resistance]	
	AM-9730Z	Polycarbonate/Polyester alloy [Heat resistance, Chemical resistance]	
Fiber reinforced grade	AM-9730FZ	Polycarbonate/Polyester alloy(Special fine filament) [High rigidity, High appearance, Chemical resistance]	Injection molding
	GM-9710	Polycarbonate/Polyester alloy(Glass fiber mixed) [High rigidity, Chemical resistance]	Injection molding
Flame resistance	MN-3600H	Polycarbonate[Flame resistance, High heat resistance]	Injection molding
	MN-3600HA	Polycarbonate[Flame resistance, High heat resistance]	
	MN-3705 MN-3709	Polycarbonate[High flame resistance, High flow]	

Carbon fiber reinforced grades

Type	Grade	Characteristics	Main molding methods
Standard	B-8110R	Carbon fiber 10%/Mold release/UL94 V-2	Injection molding
	B-8120R	Carbon fiber 20%/Mold release/UL94 V-2	
	B-8130R	Carbon fiber 30%/Mold release/UL94 V-2	
Flame resistance	BN-8110R	Carbon fiber 10%/Mold release/UL94 V-0	Injection molding
	BN-8120R	Carbon fiber 20%/Mold release/UL94 V-0	
	B-4110R	Carbon fiber 10%/Mold release/non-bromine/ non-phosphor/UL94 V-2	Injection molding
	B-4120R	Carbon fiber 20%/Mold release/non-bromine/ non-phosphor/UL94 V-2	
	B-4130R	Carbon fiber 30%/Mold release/non-bromine/ non-phosphor/UL94 V-2	
Frictional wear resistance	BS-8110R	Carbon fiber 10%/Frictional abrasion resistance /UL94 V-2	Injection molding
	BS-8120R	Carbon fiber 20%/Frictional abrasion resistance /UL94 V-2	
EMI Shield	E-8715	EMI Shield/Mold release/High heat resistance/High impact resistance/Phosphor type flame resistance/UL94 V-2	Injection molding
	EN-8515N	EMI Shield/Mold release/Phosphor type flame resistance/High flame resistance/UL94 V-0,5VA	
	EN-8615N	EMI Shield/Mold release/Phosphor type flame resistance/UL94 V-0	