



PHENOLIC MOLDING COMPOUND

ITEM NO. JIS GRADE JIS K-6915	GENERAL PROPERTY				MECHANICAL PROPERTY		ELECTRICAL PROPERTY			TEMPERATURE PROPERTY		APPLICATION
	APPEARANCE	APPARENT DENSITY (g/cc) JIS K-6915	SPECIFIC GRAVITY JIS K-6915	MOLDING SHRINKAGE (%) JIS K-6915	IMPACT STRENGTH (Kgf.cm/cm) JIS K-6915	FLEXURAL STRENGTH (Kgf/mm) JIS K-6915	NORMAL INSULATION RESIST. Ω JIS K-6915	BOILING INSULATION RESIST. Ω JIS K-6915	DIELECTRIC STRENGTH KV/mm JIS K-6915	HEAT RESISTANCE $^{\circ}\text{C}$ JIS K-6915	DEFORMATION $^{\circ}\text{C}$ JIS K-6915 (ASTM D-648)	
J-160P PM-GE	Black Pellet	0.55-0.60	1.39-1.42	1.10-1.40	2.5-3.5	8-10	$10^9 \sim 10^{11}$	$10^8 \sim 10^9$	9-10	180	>155	General Appliance, Electrical, Kitchenware and Auto Parts..
P-110 PM-GE	Black Pellet	0.55-0.60	1.35-1.37	1.10-1.40	2.5-3.5	7.0-9.0	$10^9 \sim 10^{10}$	$10^7 \sim 10^8$	9-11	180	>160	General Appliance, Electrical, Kitchenware and Auto Parts..
J-160 PM-GE	Black Granular	0.62-0.67	1.39-1.42	1.00-1.35	2.5-3.5	8.0-10.0	$10^9 \sim 10^{11}$	$10^8 \sim 10^9$	9-11	180	>160	General Appliance, Electrical, Kitchenware and Auto Parts..
J-160R PM-EG	Black Granular	0.62-0.67	1.40-1.43	1.00-1.30	2.5-4.0	8.0-11.0	$10^{10} \sim 10^{11}$	$10^9 \sim 10^{10}$	10-12	190	>165	Electronic and Electrical Parts, Auto Parts and General Appliance..
J-261 PM-GE	Dark Brown Granular	0.62-0.67	1.42-1.46	1.00-1.20	2.5-3.5	8.0-10.0	$10^9 \sim 10^{10}$	$10^7 \sim 10^8$	9-11	180	>160	General Appliance, Electrical, Kitchenware and Auto Parts.
J-262-1 PM-GE	Light Brown Granular	0.62-0.67	1.42-1.46	1.00-1.20	2.5-3.5	8.0-10.0	$10^9 \sim 10^{10}$	$10^7 \sim 10^8$	9-11	180	>160	General Appliance, Electrical, Kitchenware and Auto Parts..
J-263-1 PM-GE	Light Brown Granular	0.62-0.67	1.42-1.46	1.00-1.20	2.5-3.5	8.0-10.0	$10^9 \sim 10^{10}$	$10^7 \sim 10^8$	9-11	180	>160	General Appliance, Electrical, Kitchenware and Auto Parts.
J-361 PM-GE	Dark Red Granular	0.62-0.67	1.42-1.46	1.00-1.20	2.5-3.5	8.0-10.0	$10^9 \sim 10^{10}$	$10^7 \sim 10^8$	9-11	180	>160	General Appliance, Electrical, Kitchenware and Auto Parts..



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J-361-1 PM-GE	Dark Red Granular	0.62-0.67	1.42-1.46	1.00-1.20	2.5-3.5	8.0-10.0	$10^9 \sim 10^{10}$	$10^7 \sim 10^8$	9-11	180	>160	General Appliance, Electrical, Kitchenware and Auto parts..
J-361-2 PM-GE	Light Red Granular	0.62-0.67	1.42-1.46	1.00-1.20	2.5-3.5	8.0-10.0	$10^9 \sim 10^{10}$	$10^7 \sim 10^8$	9-11	180	>160	General Appliance, Electrical, Kitchenware and Auto parts.
J-620 PM-GE	Light Green Granular	0.62-0.67	1.42-1.46	1.00-1.20	2.5-3.5	8.0-10.0	$10^9 \sim 10^{10}$	$10^7 \sim 10^8$	9-11	180	>160	General Appliance, Electrical, Kitchenware and Auto parts..
J-661 PM-GE	Dark Green Granular	0.62-0.67	1.42-1.46	1.00-1.20	2.5-3.5	8.0-10.0	$10^9 \sim 10^{10}$	$10^7 \sim 10^8$	9-11	180	>160	General Appliance, Electrical, Kitchenware and Auto parts.
J-130 PM-EG, ME	Black Granular	0.64-0.70	1.47-1.52	0.9-1.20	3.5-4.5	9.0-12.0	$10^9 \sim 10^{11}$	$10^8 \sim 10^9$	10-12	190	>180	Applicable for High Strength, Heat Resistant Electronic & Auto Parts.
J-170 PM-EG	Black Granular	0.62-0.67	1.39-1.44	1.00-1.33	2.5-4.0	8.0-11.0	$10^9 \sim 10^{11}$	$10^8 \sim 10^9$	10-12	180	>170	Applicable for Heat Resistant, Arc Resistant Electrical and Electronic Parts
J-185 PM-EG, HH	Black Granular	0.65-0.70	1.50-1.54	0.80-1.00	2.0-3.0	7.0-9.0	$10^{10} \sim 10^{12}$	$10^8 \sim 10^9$	10-12	200	>175	Applicable for Heat Resistant, Flame Resistant Auto and Electronic Parts

備註 : 1. Molding Method.

P: Compression Molding.

J: Injection Molding.

2 Filler.

Wood Flour: J-160P, P-110, J-160, J-261, J-262-1, J-263-1, J-361, J-361-1, J361-2, J-620, J-661.

Mineral Filler : J-160R, J-170, J-185.

Glass Fiber: J-130, J-185.

QMFZ2

February 26, 2002

Plastics - Component

CHAN SIEH ENTERPRISES CO LTD

E91224

3RD FL 90 NANKING E RD, SEC 2, TAIPEI TAIWAN

Material Dsg	Color	Min. Thk mm	Flame Class	H W I	H A I	Eler	RTI Imp	Mech Str	H V T R	D 4 9 5	C T I
Phenolic (PF), furnished as pellets.											
J-130	BK	0.38	V-0	0	3	150	150	150	—	—	—
	BK	3.0	V-0	—	—	150	150	150	3	5	3
J-160	BK	0.75	V-1	2	4	150	150	150	—	—	—
		3.0	V-0	0	4	150	150	150	0	7	4
J-170	BK	0.85 ONLY	V-0	0	3	150	150	150	3	5	3
	CN	0.84 ONLY	V-0	0	3	150	150	150	3	5	3
J-185	BK	0.50	V-0	0	4	150	150	150	—	—	—
	BK	3.0	V-0	—	—	150	150	150	3	4	3
J-190	BK	0.38	V-0	0	4	150	150	150	—	—	—
	BK	3.0	V-0	—	—	150	150	150	3	4	3

Marking: Company name and material designation on container, wrapper or finished part.

3/11/2002

Underwriters Laboratories Inc.

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