

**Teknor Apex Beetle® MDM54 Nylon 6, Non-halogenated, Mineral Reinforced**

Category :

**Material Notes:**

Notes: MDM54 is a UL recognized, V-2 rated halogen and phosphorus-free flam retarded, mineral filled injection molding grade of nylon 6, primarily intended for electrical applications; U.L. 94 V-2 at 1.5mm, 960Â°C glow wire Features: Flame Retardant; Halogen Free; Low (to no) Phosphorus; Good Colorability Processing Method: Injection molding Forms: Pellets Injection Notes: No drying is necessary unless the material has been exposed to air for longer than 3 hours; Back Pressure: Low; Injection Pressure: High; Injection Rate: Fast Information Provided by Teknor Apex

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Teknor-Apex-Beetle-MDM54-Nylon-6-Non-halogenated-Mineral-Reinforced.php](http://www.lookpolymers.com/polymer_Teknor-Apex-Beetle-MDM54-Nylon-6-Non-halogenated-Mineral-Reinforced.php)

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-2	V-2	
	@Thickness 1.50 mm	@Thickness 0.0591 in	

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	240 - 260 Â°C	464 - 500 Â°F	
Middle Barrel Temperature	240 - 260 Â°C	464 - 500 Â°F	
Front Barrel Temperature	240 - 260 Â°C	464 - 500 Â°F	
Melt Temperature	<= 300 Â°C	<= 572 Â°F	Processing Temperature
Mold Temperature	60.0 - 80.0 Â°C	140 - 176 Â°F	
Drying Temperature	80.0 Â°C	176 Â°F	
Dry Time	2 hour	2 hour	
Screw Speed	50 - 200 rpm	50 - 200 rpm	

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