

# Motorcycle Lighting System

Motorcycle lighting systems enhance visibility for safer riding. These systems are essential for improving road presence and overall safety.



## Product Overview

### High-Performance Engineering Plastic

This advanced thermoplastic material is engineered for demanding industrial applications requiring precise mechanical and thermal stability. It exhibits excellent flow characteristics during processing, making it suitable for complex molding requirements. With high impact resistance and structural rigidity, this material is designed to maintain integrity under significant mechanical stress and heat exposure.

## Flow Properties

Melt Flow Rate (5 kg)	1.9 g/10min
Melt Flow Rate (10 kg)	20 g/10min

## Mechanical Properties

### Mechanical Performance Metrics

Property	Value
Tensile Strength	500 kg/cm <sup>2</sup>
Elongation	15%
Bending Strength	860 kg/cm <sup>2</sup>
Bending Elastic Rate	2.9 kg/cm <sup>2</sup>
Rockwell Hardness	116 R

## Thermal Properties

### Thermal Performance

**105 °C**

Vicat Softening Point

**99 °C**

Heat Distortion Temp (Annealed)

## Compliance & Safety

### Burning Rate Rating

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