KUBE PIR 30302

High Density Polyethylene

KUBE Electronics AG

Message:

Transmissive Plastic Injection Molding Granulates

For fresnel lenses and windows of PIR motion detectors, thermal imaging cameras and non-contact thermometers

Features:

The best material for fresnel lenses

Specially suited for thin parts

High transmission in the 7 to 14 μm central passive infrared (PIR) band

Choice of colors and MFI

RoHS and TSCA conform

Excellent visible light absorption available for low false alarm rate / VDS conformity

Special colors available on request

According to KUBE's experience, these materials exhibit no substantial loss of specification over 10 years

30302: MysticBlue (misty bluish)

Features Flame Retardant Good UV Resistance Low Density Uses Lenses Outdoor Applications Thin-walled Parts RoHS Compliance RoHS Compliant Appearance Blue Colors Available Forms Granules Physical Nominal Value Unit Test M Density 0.951 to 0.960 g/cm³ ISO 11 Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) 17 g/10 min ISO 11 Injection Nominal Value Unit Drying Temperature < 70.0 °C Drying Time 2.0 hr Hopper Temperature	
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Rear Temperature 170 to 220 °C	
Middle Temperature 200 to 220 °C	
Front Temperature 210 to 220 °C	
Nozzle Temperature 220 to 230 °C	
Processing (Melt) Temp 130 °C	

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