

KUBE PIR 20490

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

General Information			
Features	Flame Retardant		
	Good UV Resistance		
Uses	Lenses		
	Thin-walled Parts		
RoHS Compliance	RoHS Compliant		
Appearance	Colors Available		
	Ivory		
Forms	Granules		
Physical	Nominal Value	Unit	Test Method
Density	0.951 to 0.960	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	17	g/10 min	ISO 1133
Injection	Nominal Value	Unit	
Drying Temperature	< 70.0	°C	
Drying Time	2.0	hr	
Hopper Temperature	50.0 to 70.0	°C	
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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Recommended distributors for this material

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