

KUBE PIR 22414

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
22414: Super-White. Long-term stable. The best choice for white lenses. Higher MFI for molding of thin parts.

General Information			
Features	Flame retardancy		
Uses	Thin wall parts		
	Lens		
	Outdoor application		
RoHS Compliance	RoHS compliance		
Appearance	White		
	Available colors		
Forms	Particles		
Physical	Nominal Value	Unit	Test Method
Density	0.951 - 0.960	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	27	g/10 min	ISO 1133
Injection	Nominal Value	Unit	
Drying Temperature	< 70.0	°C	
Drying Time	2.0	hr	
Hopper Temperature	50.0 - 70.0	°C	
Rear Temperature	170 - 220	°C	
Middle Temperature	200 - 220	°C	
Front Temperature	210 - 220	°C	
Nozzle Temperature	220 - 230	°C	
Processing (Melt) Temp	130	°C	

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Recommended distributors for this material

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