

## Arkema Group Lucalor® PEY 221 CPVC, Pipe Grade

Category : Polymer , Thermoplastic , Vinyl (PVC) , Chlorinated PVC (CPVC)

### Material Notes:

LUCALOR PEY 221 is a chlorinated polyvinyl chloride compound (CPVC) developed for the extrusion of pipes for hot water supply and distribution systems. ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arkema-Group-Lucalor-PEY-221-CPVC-Pipe-Grade.php](http://www.lookpolymers.com/polymer_Arkema-Group-Lucalor-PEY-221-CPVC-Pipe-Grade.php)

Physical Properties	Metric	English	Comments
Density	1.52 g/cc	0.0549 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	55.0 MPa	7980 psi	50 mm/min
Elongation at Break	23 %	23 %	Nominal Strain; 50 mm/min
Elongation at Yield	4.0 %	4.0 %	50 mm/min
Tensile Modulus	2.70 GPa	392 ksi	1 mm/min
Charpy Impact Unnotched	NB	NB	
Charpy Impact, Notched	1.01 J/cm <sup>2</sup>	4.81 ft-lb/in <sup>2</sup>	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	115 °C	239 °F	
Vicat Softening Point	115 °C	239 °F	50°C/hr; 50N
Flammability, UL94	V-0	V-0	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
Oxygen Index	75 %	75 %	

## Contact Songhan Plastic Technology Co.,Ltd.

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