

Arkema Group Lucalor® RY 123 CPVC, Plumbing Grade

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

Material Notes:

LUCALOR RY 123 is a chlorinated polyvinyl chloride compound (CPVC) developed for the injection molding of fittings for hot water supply. ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Lucalor-RY-123-CPVC-Plumbing-Grade.php

Physical Properties	Metric	English	Comments
Density	1.47 g/cc	0.0531 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	53.0 MPa	7690 psi	50 mm/min
Elongation at Break	32 %	32 %	Nominal Strain; 50 mm/min
Elongation at Yield	5.0 %	5.0 %	50 mm/min
Tensile Modulus	2.62 GPa	380 ksi	1 mm/min
Charpy Impact Unnotched	NB	NB	
Charpy Impact, Notched	1.00 J/cm ²	4.76 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	104 °C	219 °F	
Vicat Softening Point	106 °C	223 °F	50°C/hr; 50N
Flammability, UL94	V-0	V-0	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
Oxygen Index	65 %	65 %	

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