

Arkema Group Nakan® RMS 501 L PVC, Rigid Injection Molding Grade

Category : Polymer , Thermoplastic , Vinyl (PVC) , PVC, Rigid Grade

Material Notes:

NAKAN RMS 501 L is a rigid polyvinyl chloride compound developed for injection molding of electrical boxes (inside).ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Nakan-RMS-501-L-PVC-Rigid-Injection-Molding-Grade.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	54.0 MPa	7830 psi	50 mm/min
Elongation at Break	40 %	40 %	Nominal Strain; 50 mm/min
Elongation at Yield	5.5 %	5.5 %	50 mm/min
Tensile Modulus	2.86 GPa	415 ksi	1 mm/min
Charpy Impact Unnotched	NB	NB	
Charpy Impact, Notched	0.250 J/cm ²	1.19 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	71.0 °C	160 °F	
Vicat Softening Point	78.0 °C	172 °F	50°C/hr; 50N
Flammability, UL94	V-0	V-0	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
Oxygen Index	52 %	52 %	

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