

Arkema Group Nakan® RMA 705 N PVC, Rigid Injection Molding Grade

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

Material Notes:

NAKAN RMA 705 N L is a rigid polyvinyl chloride compound developed for injection molding of various medium impact resistance applications. ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Nakan-RMA-705-N-PVC-Rigid-Injection-Molding-Grade.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|---------------------------|----------|
| Density | 1.35 g/cc | 0.0488 lb/in ³ | |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|----------|----------|---------------------------|
| Tensile Strength, Yield | 45.0 MPa | 6530 psi | 50 mm/min |
| Elongation at Break | >= 50 % | >= 50 % | Nominal Strain; 50 mm/min |
| Elongation at Yield | 6.0 % | 6.0 % | 50 mm/min |
| Charpy Impact Unnotched | NB | NB | |

| Thermal Properties | Metric | English | Comments |
|-----------------------|---------------------------|-----------------------------|--------------|
| Vicat Softening Point | 70.0 °C | 158 °F | 50°C/hr; 50N |
| Flammability, UL94 | V-0 @Thickness 1.60 mm | V-0 @Thickness 0.0630 in | |

| Optical Properties | Metric | English | Comments |
|-----------------------|--------|---------|--|
| Transmission, Visible | 80 % | 80 % | Mfr. reports 'Transparent' but doesn't quantify. |

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