

Colorite Polymers Flexchem 4551-02 Vinyl Compound

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

Material Notes:

Description: The Flexchem "51" series is a group of translucent, flexible, non-toxic vinyl compounds which were specifically developed to replace silicone in various applications. These compounds utilize a non-phthalate plasticizer system for use in medical device applications. This unique product line offers excellent release characteristics, rubber-like compression properties, good burst strength and durability. These compounds can even be solvent bonded for ease of assembly. Flexchem compounds can be extruded or injection molded; they do not require any special equipment for processing. A replacement for silicone in a nearly endless list of uses, including tubing for pumping applications, urinary drain sets, beverage spouts, gaskets, etc., Flexchem is available in durometers ranging from 35 to 65 shore A hardness. It is formulated utilizing only FDA sanctioned raw materials and has been designed for use in USP Class VI applications. For medical use, complete traceability and lot identification of all components in the Flexchem products are maintained at Colorite. Information provided by Colorite Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Colorite-Polymers-Flexchem-4551-02-Vinyl-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.16 g/cc	1.16 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45	45	
Tensile Strength, Ultimate	7.86 MPa	1140 psi	
Elongation at Break	407 %	407 %	
100% Modulus	0.00265 GPa	0.385 ksi	
Compression Set	24.9 %	24.9 %	RT for 22 hours

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