

Vi-Chem PVC V221-87E

Polyvinyl Chloride
Vi-Chem Corporation

Message:

Vi-Chem PVC V221-87E is a Polyvinyl Chloride material filled with 18% filler. It is available in North America.

General Information			
Filler / Reinforcement	Filler, 18% Filler by Weight		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.39	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	87		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	19.8	MPa	ASTM D638
Tensile Elongation (Break)	340	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	63.0	kN/m	ASTM D624
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air	-15	%	ASTM D573
Change in Ultimate Elongation in Air	-25	%	ASTM D573
Change in Mass in Air	1.9	%	ASTM D573
Thermal	Nominal Value		Test Method
Cold Flexibility (-23°C)	Pass		FLTM BN 102-01
Flammability	SE		ISO 3795
Fogging	Fail (Droplets)		SAE J1756
Color Stability ¹	Rating 5		ASTM D573
Contact Migration Staining ²	Pass		
Odor Rating ³	2.00		
Paint Staining ⁴	No Stain		
NOTE			
1.	ISO 188, AATCC Rating		
2.	FLTM BN 003-01		
3.	FLTM BO 131-01		
4.	FLTM BP 153-01		

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Recommended distributors for this material

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