

Vi-Chem PVC V143-70I-7081

Flexible Polyvinyl Chloride

Vi-Chem Corporation

Message:

Vi-Chem PVC V143-70I-7081 is a Flexible Polyvinyl Chloride material. It is available in North America for injection molding.
Typical application of Vi-Chem PVC V143-70I-7081: Automotive

General Information			
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	< 1.31	g/cm ³	ASTM D792A
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, Compression Molded)	69		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Compression Molded)	> 9.90	MPa	ASTM D638
Tensile Elongation (Break, Compression Molded)	> 400	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	30.0	kN/m	ASTM D624
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (85°C, 1000 hr)	-3.0	%	ASTM D573
Change in Ultimate Elongation in Air (85°C, 1000 hr)	-4.0	%	ASTM D573
Change in Mass in Air (85.0°C, 1000 hr)	0.67	%	ASTM D573
Thermal	Nominal Value		
Cold Flexibility (-34°C, 1.90 to 2.00 cm)	Pass		
Fogging ²	> 83.0		
Xenon Weatherometer ³	0.500		
Flammability	Nominal Value	Unit	Test Method
Burning Rate (Self-Extinguishing)	5.0	mm/min	ISO 3795
NOTE			
1.	500 mm/min		
2.	FLTM BO 116-03		
3.	Interior, SAE J1885 at 601.6 kJ/m ²		

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