

Vi-Chem PVC V143-90I-7081

Flexible Polyvinyl Chloride

Vi-Chem Corporation

Message:

Vi-Chem PVC V143-90I-7081 is a Flexible Polyvinyl Chloride material. It is available in North America for injection molding.
Typical application of Vi-Chem PVC V143-90I-7081: Automotive

General Information			
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42	g/cm ³	ASTM D792A
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	89		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	> 13.0	MPa	ASTM D638
Yield	> 13.0	MPa	ISO 527-2/2/500
Tensile Elongation (Break)	> 280	%	ASTM D638, ISO 527-2
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ²	50.0	kN/m	ASTM D624
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air	-1.0	%	ASTM D573
Change in Ultimate Elongation in Air	-10	%	ASTM D573
Change in Mass in Air	1.6	%	ASTM D573
Thermal	Nominal Value		
Cold Flexibility ³ (-23°C)	No cracking		
Flammability	SE		ISO 3795
Color Stability ⁴	4.00 to 5.00		
Florida Weathering ⁵	> 5.00		
Soiling ⁶	Pass		
Xenon Weatherometer ⁷	> 5.00		
NOTE			
1.	Type II, 500 mm/min		
2.	Die C, 50 mm/min		
3.	FLTM BN 2-1		
4.	AATCC		
5.	12 months, 5° South		
6.	FLTM BN 112-01		
7.	SAE J1885, 600 kJ/m ² , AATCC		

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Recommended distributors for this material

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