

Vi-Chem PVC V143-70I

Polyvinyl Chloride
Vi-Chem Corporation

Message:
Vi-Chem PVC V143-70I is a Polyvinyl Chloride material. It is available in North America.
Typical application of Vi-Chem PVC V143-70I: Automotive

General Information			
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm ³	ASTM D792A, ISO 1183/A
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	63		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			
Yield ¹	9.90	MPa	ISO 527-2/500
--	9.90	MPa	ASTM D638
Tensile Elongation (Break)	400	%	ASTM D638, ISO 527-2
Elastomers	Nominal Value	Unit	Test Method
Tear Strength			
-- ²	30.0	kN/m	ASTM D624
-- ³	30	kN/m	ISO 34-1
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (85°C, 1000 hr)	2.0	%	ISO 188
Change in Tensile Strain at Break in Air (85°C, 1000 hr)	-8.0	%	ISO 188
Change in Mass in Air (85.0°C, 1000 hr)	1.2	%	ISO 188
Thermal	Nominal Value		
Cold Flexibility ⁴ (-34°C)	No Cracks		
Flammability	Self Extinguish		ISO 3795
Fogging ⁵	80	%	SAE J1756
Contact Migration Staining ⁶	Pass		
Odor ⁷	Rating 2		
Paint Staining ⁸	Pass		
Xenon Arc - Delta E ⁹	0.390		SAE J1885
NOTE			
1.	Type 5A		
2.	Die C		
3.	Method Ba, Angle (Unnicked)		

4.	19 to 20 mm Mandrel, FLTM BN 102-01
5.	3 hr, 100°C heating, 21C cooling
6.	FLTM BN 003-01
7.	FLTM BO 131-01/SAE J1351
8.	FLTM BP 153-01, Procedure A
9.	601.6 kJ/m ²

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