

Vi-Chem PVC V143-60I

Polyvinyl Chloride
Vi-Chem Corporation

Message:
Vi-Chem PVC V143-60I is a Polyvinyl Chloride material. It is available in North America.

General Information			
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm ³	ASTM D792A, ISO 1183/A
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec, 2.00 mm, Compression Molded)	57		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			
Yield, 2.00 mm, Compression Molded	8.50	MPa	ISO 527-2/5
2.00 mm, Compression Molded ¹	8.50	MPa	ASTM D638
Tensile Elongation (Break, 2.00 mm, Compression Molded)	400	%	ASTM D638, ISO 527-2
Elastomers	Nominal Value	Unit	Test Method
Tear Strength			
2.00 mm ²	26.9	kN/m	ASTM D624
2.00 mm ³	27	kN/m	ISO 34-1
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (85°C, 100 hr)	-1.3	%	ASTM D573, ISO 188
Change in Ultimate Elongation in Air (85°C, 100 hr)	5.4	%	ASTM D573, ISO 188
Change in Mass in Air (85.0°C, 100 hr)	1.0	%	ASTM D573
Change in Mass in Air (85.0°C, 100 hr)	1.0	%	ISO 188
Thermal	Nominal Value		
Cold Flexibility ⁴ (-40°C)	No Cracks		
Florida Weathering - Delta E ⁵	1.98		SAE J1976
Soiling ⁶	Pass		
Xenon Arc - Delta E ⁷	0.650		SAE J1885
Flammability	Nominal Value	Unit	Test Method
Burning Rate	85	mm/min	ISO 3795
NOTE			
1.	Type IV, 500 mm/min		
2.	Die C		
3.	Method Ba, Angle (Unnicked)		

4.	FLTM BN 102-01
5.	1 yr
6.	FLTM BN 112-08
7.	601.6 kJ/m ²

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