

Vi-Chem PVC V143-60I-5841

Flexible Polyvinyl Chloride

Vi-Chem Corporation

Message:

Vi-Chem PVC V143-60I-5841 is a Flexible Polyvinyl Chloride material. It is available in North America for injection molding.

General Information			
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	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)	58		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield, 2.00 mm, Compression Molded ¹	> 9.20	MPa	ASTM D638
Yield, 2.00 mm, Compression Molded	> 9.20	MPa	ISO 527-2/2/500
Tensile Elongation (Break, 2.00 mm, Compression Molded)	> 550	%	ASTM D638, ISO 527-2
Elastomers	Nominal Value	Unit	Test Method
Tear Strength			
--	23.5	kN/m	ASTM D624
2.00 mm	24	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 ² (-40°C)	No cracking		
Flammability ³	85.0		Multiple Standards
Color Stability ⁴	4.00 to 5.00		Multiple Standards
Florida Weathering ⁵	> 4.00		
Soiling ⁶	Pass		
Xenon Weatherometer ⁷	> 4.00		
NOTE			
1.	Type II, 500 mm/min		
2.	FLTM BN-2-1		

3.	FMVSS 302, (ISO 3795/SAE J369)
4.	ISO 188/ASTM D573, AATCC
5.	12 months, 5° South, AATCC
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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