

Vi-Chem PVC VNC66-30I-7261

Flexible Polyvinyl Chloride

Vi-Chem Corporation

Message:

Vi-Chem PVC VNC66-30I-7261 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	1.28	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)	67		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			
Yield, 2.00 mm, Compression Molded	10.0	MPa	ISO 527-2/2/500
2.00 mm, Compression Molded ¹	10.0	MPa	ASTM D638
Tensile Elongation (Break, 2.00 mm, Compression Molded)	780	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength			
-- ²	31.0	kN/m	ASTM D624
2.00 mm	31	kN/m	ISO 34-1
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (80°C, 1000 hr)	2.2	%	ASTM D573, ISO 188
Change in Ultimate Elongation in Air (80°C, 1000 hr)	14	%	ASTM D573, ISO 188
Change in Mass in Air (80.0°C, 1000 hr)	0.53	%	ASTM D573
Change in Mass in Air (80.0°C, 1000 hr)	0.53	%	ISO 188
Thermal	Nominal Value		
Cold Flexibility (-30°C)	Pass		
Color Stability (98 to 102°C) ³	5.00		Multiple Standards
Florida Weathering			
-- ⁴	> 0.470		
-- ⁵	> 1.96		
Stain Resistance			
-- ⁶	Pass		
-- ⁷	Pass		
Xenon Weatherometer ⁸	> 4.50		

NOTE	
1.	Type II, 500 mm/min
2.	Die C, 50 mm/min
3.	ISO 188/ASTM D537, 168 hrs, AATCC
4.	12 months, Delta E
5.	24 months
6.	Paint, FLTM BP 153-01
7.	Hydrogen Sulfide, FLTM 102-01
8.	min.\(SAE J1960-89 , 2000 kJ/m ² ,exposure), AATCC

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Recommended distributors for this material

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