

Vi-Chem PVC VNC85

Flexible Polyvinyl Chloride

Vi-Chem Corporation

Message:

Vi-Chem PVC VNC85 is a Flexible Polyvinyl Chloride material. It is available in North America for extrusion or injection molding.

General Information			
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm ³	ASTM D792A, ISO 1183/A
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	85		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	> 12.7	MPa	ASTM D638
Yield	> 12.7	MPa	ISO 527-2/2/500
Tensile Elongation (Yield)	270	%	ASTM D638, ISO 527-2
Elastomers	Nominal Value	Unit	Test Method
Tear Strength			
-- ²	52.0	kN/m	ASTM D624
-- ³	52	kN/m	ISO 34-1
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (80°C, 1000 hr)	0.86	%	ASTM D573, ISO 188
Change in Ultimate Elongation in Air (80°C, 1000 hr)	-11	%	ASTM D573, ISO 188
Change in Mass in Air (80.0°C, 1000 hr)	-1.4	%	ASTM D573
Change in Mass in Air (80.0°C, 1000 hr)	-1.4	%	ISO 188
Thermal	Nominal Value		
Cold Flexibility (-30°C, 1.90 to 2.00 cm) ⁴	No cracks		
Stain Resistance			
-- ⁵	Rating 5		
2.00 mm ⁶	No stain or change in surface		
NOTE			
1.	Type II, 500 mm/min		
2.	Die C		
3.	Method Ba, Angle (Unnicked)		
4.	FLTM BN 102-01		

5.	Hydrogen Sulfide, FLTM 102-01
6.	Paint, Procedure A, FLTM BP 153-01

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Recommended distributors for this material

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