

Vi-Chem PVC VIR 6186

Rigid Polyvinyl Chloride

Vi-Chem Corporation

Message:

Vi-Chem PVC VIR 6186 is a Rigid Polyvinyl Chloride material. It is available in North America for extrusion.
Typical application of Vi-Chem PVC VIR 6186: Automotive

General Information			
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.36	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore C, 15 sec)	75		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	46.0	MPa	ASTM D638
Flexural Modulus	2630	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	70.7	°C	ASTM D648
Flammability	Nominal Value		Test Method
Burning Rate	Self Extinguish		FMVSS 302
Arizona Weathering ¹	0.500(Black)		SAE J1976
Florida Weathering ²	0.400(Black)		SAE J1976
High Temperature Humidity Resistance	No objectable tackiness		GM 9329P
Weather Resistance - Accelerated ³	1.06(Black)		SAE J1960

NOTE	
1.	2 years exposure, color change, surface defects, No objectionable defects, Delta E
2.	2 years exposure, color change, surface defects, No objectionable defects, Delta E
3.	Xenon Arc Weatherometer, 2500 kJ/m2, Color change, Surface defects, No objectionable defects, Delta E = 1.06

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

