

Thermovin™ HHD220

Rigid Polyvinyl Chloride

Vi-Chem Corporation

Message:

Thermovin™ HHD220 is a Rigid Polyvinyl Chloride material filled with 0.60% mineral. It is available in North America for extrusion.

Typical application of Thermovin™ HHD220: Automotive

General Information			
Filler / Reinforcement	Mineral,0.60% Filler by Weight		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm ³	ASTM D792
Humidity ¹	Pass		
Flammability ²	SE/B0.6		
Florida Weathering ³	0.730 Pass (Black)		SAE J1976
Volatile Loss - % Weight Change ⁴	23.0Pass		ASTM D1203
Weather Resistance - Accelerated ⁵	2.55 Pass (Black)		SAE J1960
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	75		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	45.7	MPa	ASTM D638
Flexural Modulus (22°C)	1780	MPa	ASTM D790
Flexural Strength	71.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	270	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	103	°C	
0.45 MPa, Annealed	107	°C	
NOTE			

1.	High temperature resistance, GMP-9329P
2.	GM6090P
3.	2 years, color change, and Surface Defects, Delta E
4.	72 hours @ 80°C
5.	SAE J1960-89, 2500 kJ/m ² exposure to Xenon Arc Exterior, color changes, surface defects, Delta E

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Recommended distributors for this material

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

