

Thermovin™ 170-H8

Thermoplastic Vulcanizate

Vi-Chem Corporation

Message:

Thermovin™ 170-H8 is a Thermoplastic Vulcanizate (TPV) material. It is available in North America.
Typical application of Thermovin™ 170-H8: Automotive

General Information			
Features	Mildew Resistant		
	Stain Resistant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792, ISO 1183
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec, 6.00 mm)	65		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			
Break, 6.00 mm	12.8	MPa	ISO 527-2/500
-- ¹	12.8	MPa	ASTM D638
Tensile Elongation			
Yield ²	380	%	ASTM D638
Yield	380	%	ISO 527-2/500
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	31.0	kN/m	ASTM D1004
Compression Set (70°C, 22 hr)	44	%	ASTM D395
Aging	Nominal Value	Unit	Test Method
Change in Ultimate Elongation in Air (80°C, 1000 hr)	11	%	ASTM D573, ISO 188
Flammability	Nominal Value	Unit	Test Method
Burning Rate	32	mm/min	FMVSS 302
Additional Information	Nominal Value	Unit	Test Method
Fungal Resistance ⁴	No apparent fungus attack		ASTM G21
Mandrel Bend (180°C, 5.08 cm)	No cracks		
Plasticizer ⁵	Negative		
Stain Resistance			
-- ⁶	No stain		
-- ⁷	No stain		
Volatile Loss (105°C)	1.9	%	ASTM D1203
NOTE			

1.	Type IV, 500 mm/min
2.	Type IV, 500 mm/min
3.	Die B, 50 mm/min
4.	Mildew
5.	Migration, CLP 463DD-6-01
6.	Contact
7.	Migratory, Method B

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

