



THERMOPLASTIC VULCANIZATE TPV

A high-performance thermoplastic vulcanizate (TPV), vulcanized EPDM + PP, is designed to meet requirement for aging resistance, oil and solvent resistance.

Product Series

Hongshuo Injection Grade TPV (Shore 45A – Shore 54D)

Hongshuo Extrusion Grade TPV (Shore 45A – Shore 54D)

Hongshuo Blowing Grade TPV (Shore 45A – Shore 54D)

Features

Good elasticity, compression deformation resistance

Good environmental and aging resistance as EPDM

Excellent oil and solvent resistance as CR

Wide range of temperature for application (– 60—150°C)

Wide range of hardness (Shore 45A – Shore 54D)

Easy dyeing

Easy processing

Environment friendly

Light weight (0.90 – 0.97)

Applications

Car interior decoration, dust cover, fender, gear cover, seals etc.

Safety/Quality Approvals

Comply with RoHS, REACH SVHC, NP, FDA, Prop 65, ISO9001

Test	Hardness	Melting Flow Rate (230℃)	Specific Gravity (g/cm ³)	Tensile strength (MPa)	Elongation at break (%)	Tear Strength (KN/m)	Compression Set (%70℃*22h)	Flame Retardance
V5502	55A	10	0.96	5.4	520	18	27	HB
V6502	65A	12	0.97	6.8	560	22	29	HB
V7502	75A	15	0.97	8.5	600	28	32	HB
V8502	85A	20	0.97	9.9	620	48	36	HB
DV4002	40D	20	0.95	17.2	650	75	/	HB
DV5002	50D	22	0.95	24.2	620	115	/	HB
V7503	75A	80	0.96	8	580	25	35	HB
V8503	85A	120	0.97	9.2	550	40	39	HB
Test	Hardness	Melting Flow Rate	Specific Gravity (g/cm ³)	Tensile strength (MPa)	Elongation at break (%)	Tear Strength (KN/m)	Compression Set (%70℃*22h)	Flame Retardance
V5501	55A	2	0.96	5.5	500	17	26	HB
V6501	65A	3	0.97	7.2	540	22	27	HB
V7501	75A	2	0.97	8.5	550	30	32	HB
V8501	85A	4	0.97	9.7	600	47	36	HB
V9001	90A	6	0.95	11.3	580	60	/	HB
V9501	95A	8	0.95	13.6	620	70	/	HB
V8505	85A	1	0.97	10.5	480	45	/	V-0
V9505	95A	1	0.97	14.8	500	53	/	V-0
Test	Hardness	Melting Flow Rate	Specific Gravity (g/cm ³)	Tensile strength (MPa)	Elongation at break (%)	Tear Strength (KN/m)	Compression Set (%70℃*22h)	Flame Retardance
V7004	70A	3	0.97	6.7	560	25	30	HB
V8004	80A	5	0.97	7.9	580	38	34	HB
V9004	90A	6	0.96	11.2	600	65	/	HB
V9504	95A	8	0.97	13.4	640	75	/	HB
DV4004	40D	10	0.95	16.2	600	80	/	HB
DV4504	45D	11	0.95	17.5	620	92	/	HB
DV5004	50D	14	0.95	18.9	600	110	/	HB
DV5504	55D	16	0.95	20.2	620	130	/	HB