



INJECTION TPE

In the injection moulding process the melted TPE compound are injected into a mould.

Product Series

Hongshuo Injection TPE P18/19 Series (Shore 0A-Shore 65D)

Hongshuo Injection TPE P28/29 Series (Shore 0A-Shore 65D)

Hongshuo Injection TPE EP52/53 Series (Shore 0A-Shore 65D)

Features

- High elasticity
- Easy to process and color
- Wide range hardness(Shore 0A-Shore 65D)
- Excellent elongation and elasticity
- Very good resilience
- Non-toxic, environmentally friendly
- Wide range of temperature (-50°C to 135°C)
- Soft touch
- high production efficiency

Applications

Pen grips, toothbrush handle, tools, toothbrush, cap liner, foot pad, protective cover etc.

Safety/Quality Approvals

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

ITEM	(shoreA) Hardness	180°C/5kg (g/10min) Melting Flow Rate	(g/cm ³) Specific Gravity	(kg/cm ²) Tensile strength	(%) Elogation at break	(kg/cm) Tear Strength
P1840	40	135.6	1.15	28.5	682	15.1
P1860	60	165.3	1.15	45.9	623	25.3
P1875	75	137.4	1.14	58.7	556	30
P1945	45	128	1.22	30.6	635	16.7
P1960	60	199	1.2	45.2	586	24.1
P1970	70	143	1.2	56.9	528	31.6

ITEM	Hardness (shoreA)	Melting Flow Rate 180°C /5kg	Specific Gravity(g/cm3)	Tensile strength (kg/cm2)	Elogation at break (%)	Tear Strength (kg/cm)
P2845	45	129	1.1	28.8	670.6	16.6
P2875	75	87	1.1	70.1	587.6	34
P2890	90	67.3	1.1	86.7	440.5	43.6
P2945	45	99.8	1.05	30.7	677.6	16.3
P2965	65	80.9	1.05	55.4	579.4	32.7
P2985	80	102.1	1.05	82.5	475.8	46.6
ITEM	Hardness (shoreA)	Melting Flow Rate 180°C /5kg	Specific Gravity(g/cm3)	Tensile strength (kg/cm2)	Elogation at break (%)	Tear Strength (kg/cm)
P3065	65	80.3	1	60.5	603	25.2
P3075	75	35.6	1.02	85.5	589	40
P3090	90	46.5	1.01	112.9	489	53.6
P3245	45	96.1	0.97	39.5	688	18.5
P3260	60	89.1	0.98	55.2	590	24.3
P3275	75	112	0.98	85.6	556	37.6
ITEM	Hardness (shoreA)	Melting Flow Rate 180°C /5kg	Specific Gravity(g/cm3)	Tensile strength (kg/cm2)	Elogation at break (%)	Tear Strength (kg/cm)
EP5250	50	68.5	0.96	46.4	664	19.7
EP5270	70	35.2	0.95	75.2	598	38.1
EP5295	55D	46.5	0.96	153.2	583	109.7
EP5360	60	29.4	0.94	73.1	650	26.4
EP5370	70	50.1	0.95	87.5	630	42.1
EP5390	90	52	0.95	125.5	615	56.5