

Properties of THERMORUN, low hardness -grades

Item	Method	Unit	3555B/N	3655B/N	3705B/N	3755B/N	3855B/N	3981B/N	3707N
Density	JIS K7112-1999	g/cm ³	0.88	0.88	0.88	0.88	0.89	0.89	0.88
MFR(230°C, 49N)	JIS K7210-1999	g/10min	2	13	3	4	12	18	3
Hardness Duro-A	JIS K6253-1993	-	55	65	70	75	83	90	68
Hardness Duro-D			-	-	-	-	-	40	-
Tensile modulus(100%)	JIS K6251-1993	MPa	1.6	2.2	2.3	3.3	4.0	5.6	2.3
Tensile modulus(300%)			2.8	3.3	3.5	4.4	5.2	6.9	3.5
Tensile strength at break			6	8	6	10	12	13	7
Tensile elongation at break		%	600	670	700	730	710	740	600
Tear strength	JIS K6252-1993	N/mm	28	34	39	47	51	66	40
Compression set(70°C×22hr)		%	35	38	43	46	47	54	43
Mold shrinkage (MD/TD)	Mitsubishi chemical metho	%	1.5-2.0/1.5-2.0	1.5-2.0/1.5-2.0	1.5-2.0/1.5-2.0	1.5-2.0/1.5-2.0	1.5-2.0/1.5-2.0	1.5-2.0/1.5-2.0	-
Color	-	-	Black&Natural	Black&Natural	Black&Natural	Black&Natural	Black&Natural	Black&Natural	Natural
Proper mold process	-	-	Injection/Extrusion	Injection/Extrusion	Injection/Extrusion	Injection/Extrusion	Injection/Extrusion	Injection/Extrusion	Extrusion

Values given here are taken in good faith at our laboratory and as a guide without warranty.

Properties of THERMORUN, mid/high hardness - grades

Item	Method	Unit	Z102B	5800B	215B	Z101N	5850N	TT744N
Density	JIS K7112-1999	g/cm ³	0.88	0.89	0.90	0.88	0.89	0.90
MFR(230°C、21.2N)	JIS K7210-1999	g/10min	9	11	18	11	11	18
Hardness Duro-D	JIS K6253-1993	-	45	55	63	43	55	63
Flexural modulus	JIS K7203-1982	MPa	180	300	450	120	300	450
Tensile strength at yield	JIS K6251-1993	MPa	6	9	13	5	9	13
Tensile strength at break			11	16	18	9	16	18
Tensile elongation at break		%	710	740	800	750	740	800
Izod impact strength(-40°C)	JIS K7110-1984	KJ/m ²	N.B	N.B	9	N.B	N.B	9
Mold shrinkage (MD/TD)	Mitsubishi chemical metho	%	1.5/1.3	1.5/1.4	1.5/1.4	1.5/1.3	1.5/1.4	1.5/1.4
Color	-	-	Black	Black	Black	Natural	Natural	Natural

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