

Item	Test Method		Unit	E-D27N	E-D42N	E-D53N	E-D45CD ( 3 )
	Characteristic						
Hardness	JIS K 6253	typeA	point	76	95	98	95
		typeD	"	22	38	50	45
Flexural modulus	JIS K 7171		MPa	17	79	183	-
Specific Gravity	JIS K 7112		-	1.06	1.13	1.18	1.18
Melt Flow Rate	ASTM D 1238	180 × 21.2N	g/10min	9.9	-	-	-
		190 × 21.2N	"	-	5.7	-	-
		210 × 21.2N	"	-	-	14.9	-
		230 × 49N	"	-	-	-	8
Tensile strength	JIS K 6251		MPa	17.6	18.6	28.6	13.0
300% Modulus	"		"	-	-	-	12.9
Elongation	"		%	970	960	800	400
Tear Strength	JIS K 6252		kN/m	65	113	136	98
Rebound resilience	JIS K 6255		%	70	70	62	55
Taber abrasion Test	JIS K 6264	H22 × 9.8N × 1000Cycle	mg	105	92	104	114
Compression Set	JIS K 6262	70 × 24hr	%	62	46	50	48
Softening Temperature	our method 1			112	163	190	-
Brittleness Temperature	JIS K 7216			<-60			
Mold Shrinkage (Vertical/Flowing directions)	our method 2		%	0.6/0.5	1.1/1.0	1.2/1.2	1.2/1.3
Molding Method	-		-	Injection · Extrusion			
Drying	-		-	necessary(80 ~ 90 × 3 ~ 4hour)			
Color	-		-	Natural · Black			Black
Fusion strength	our method	PP	-	×	×	×	×
		ABS	-	-	-	-	-
		PC	-	-	-	-	-
		PET	-	-	-	-	-
		6Ny(PA)	-	-	-	-	-
		PBT	-	-	-	-	-
		POM	-	-	-	-	-
Volume Resistance Rate	JIS K 6911		· cm	-	-	-	1.09E+01

The values shown in the table are representative ones and not guaranteed.

The figures in the table are subject to change without notice.

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1 Softening temperature measurement method: Vicat softening temperature (at temperature rise rate of 50 /hour and load of 2.5N ) was determined with a needle inserted by 1mm.

2 Shrinkage : A film gate sheet (126mm x 126mm x 2mm ) was formed (at mold temperature of 40 and cooling period of 40 seconds ) .  
3 This is a grade that is made to order and sold.