

HDC HYUNDAI EP

CLASS	Grade	Tensile Stress at yield	Elongation	Flexural Strength	Flexural Modulus	IZOD Impact Strength	Rockwell Hardness	M.I	Vicat Softening	Character	Application
		kgf/cm ²	%	kgf/cm ²	kgf/cm ²	kgf-cm/cm	/	g/10 min	°C		
		ASTM D 638	ASTM D 638	ASTM D 790	ASTM D 790	ASTM D 256	ASTM D 785	ASTM D 1238	ASTM D 1525		
General Purpose	G-116	590	3	1,110	37,400	/	100	2.6	105	General Good Release / Extrusion	XPS, PSP, Appliances
	G-116(0HV)	590	3	1,120	37,400	/	100	1.9	105	Optics / Extrusion	Light Diffuser Plate, Light Guide Panel
	G-116(1HV)	550	3	1,090	37,800	/	100	2.9	103	High Strength / Injection	Fridge-partition Parts
	G-126	530	2	1,000	37,700	/	100	5.7	100	Heat Resistance / Extrusion	Toys, Daily Necessities, Disposable Cup
	G-144(EP)	550	2	1,100	38,000	/	100	7.4	105	High Flowability / Extrusion	XPS
	G-144	490	2	930	38,000	/	100	8.6	96	Flowability / Injection	Appliances, Toys, Cosmetic container, CD/DVD case
High Impact	H-616	260	66	440	22,400	12	71	6.6	97	Heat-Resistance, High Stiffness / Injection	Toys, Daily Necessities
	H-645	240	64	420	22,700	13	67	7.9	92	High Impact Resistance / Injection	Dairy Container
	H-663	240	70	380	22,100	10	66	15.7	94	High Flowability / Injection	Grocery, Appliances, Gas-assist Injection
	H-724(EP)	270	69	450	19,500	11.0	71	2.9	100	High Strength / Extrusion	Sheet
	H-724	250	69	440	21,300	12	68	5.0	97	High Strength / Extrusion, Injection	Sheet and others
	H-835	220	73	380	16,500	10	57	3.0	99	ESCR, Chemical Resistance / Extrusion	Refrigerator Parts
	S-834	300	60	490	24,500	15	75	5.5	96	High Gloss / Injection	Appliances, Air-conditioner
	F-744	240	55	410	22,000	11	62	15	93	Non-deca Flame-Retardant (V-0(1.6mm, 3.2mm))	Home Appliances Parts, TV Housing

* These are typical properties and not intended as a specification