



CYCOLAC™ Resin GRM2600L
Americas: COMMERCIAL

High Impact , good chemical resistance sheet grade ABS designed for refrigerator liner applications.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yld, Type I, 5 mm/min	420	kgf/cm ²	ASTM D 638
Tensile Stress, brk, Type I, 5 mm/min	360	kgf/cm ²	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	55	%	ASTM D 638
Tensile Modulus, 5 mm/min	24600	kgf/cm ²	ASTM D 638
Flexural Stress, yld, 1.3 mm/min, 50 mm span	770	kgf/cm ²	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	23500	kgf/cm ²	ASTM D 790
IMPACT			
Izod Impact, notched, 23°C	40	cm-kgf/cm	ASTM D 256
Instrumented Impact Total Energy, 23°C	478	cm-kgf	ASTM D 3763
THERMAL			
Vicat Softening Temp, Rate B/50	113	°C	ASTM D 1525
HDT, 0.45 MPa, 3.2 mm, unannealed	100	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	85	°C	ASTM D 648
CTE, -40°C to 40°C, xflow	7.2E-05	1/°C	ASTM E 831
PHYSICAL			
Specific Gravity	1.04	-	ASTM D 792
Mold Shrinkage, flow, 3.2 mm (5)	0.45 - 0.65	%	SABIC Method
Melt Flow Rate, 220°C/10.0 kgf	2.5	g/10 min	ASTM D 1238





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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	90 - 95	°C
Drying Time	2 - 4	hrs
Drying Time (Cumulative)	8	hrs
Maximum Moisture Content	0.01	%
Melt Temperature	230 - 275	°C
Nozzle Temperature	230 - 275	°C
Front - Zone 3 Temperature	230 - 255	°C
Middle - Zone 2 Temperature	210 - 225	°C
Rear - Zone 1 Temperature	195 - 210	°C
Mold Temperature	50 - 80	°C
Back Pressure	0.3 - 0.7	MPa
Screw Speed	30 - 60	rpm
Shot to Cylinder Size	50 - 70	%
Vent Depth	0.038 - 0.051	mm

