

SKYPEL G155D

Table 1. PROPERTIES OF SKYPEL G155D

Properties	ASTM No	Units	G155D
Forms			Pellet
Specific Gravity	D792	-	1.18
Hardness	D2240	Shore D	55
Tensile Strength at Break ¹⁾	D638	kgf/cm ²	400
@ 5% Strain ¹⁾			65
@ 10% Strain ¹⁾			115
Elongation at Break ¹⁾	D638	%	600
Tear Strength ²⁾	D1004	kN/m	165
Flexural Modulus ³⁾	D790	kgf/cm ²	2,100
Melting Point ⁴⁾	D3418	°C	202
Heat Distortion Temperature ⁵⁾	D648	°C	105
Melt Flow Rate (220 °C, 2.16 kg)	D1238	g/10min	11

The evaluated results are for this trial product only. All data and specifications can be modified or changed in future.

- 1) ASTM Type IV dumbbells diecut from injection molded slab 2mm thick. Crosshead speed 50mm/min.
- 2) Specimen 2mm thick. Crosshead speed 51mm/min
- 3) Crosshead speed 1.3mm/min.
- 4) Differential Scanning Calorimeter (DSC), peak of endotherm. Heating rate 10°C/min.
- 5) Load 4.6kg/cm².

Table 2. PROCESSING CONDITIONS OF SKYPEL G155D

INJECTION	Cylinder			Nozzle	Mold
	Rear	Center	Front		
	205 °C	215 °C	220 °C	225 °C	35 °C
EXTRUSION	Cylinder			Die	Melt
	Rear	Center	Front		
	195 °C	210 °C	210 °C	210 °C	215 °C