

Grade	ACL66H, ACL66
Product Name	HIGH CLEAR

General Information

Key Features	Good optical clarity, chemical resistance, processability, BPA and Phthalate Free
Applications	Cosmetics and food container, transparent interior material of home appliance

Property	Test Method	Unit	Specification
Physical Properties			
Intrinsic Viscosity	ASTM D4603	dl/g	0.66±0.02
Color L	ASTM D6290	-	Min. 57
Color b	ASTM D6290	-	Max. 1
Diethylene Glycol	LCC METHOD	wt%	Max. 1.5
Melting Point	ASTM D3418	°C	-
Chip Size	LCC METHOD	g/100ea	1.5±0.2
Pellet Shape	-	-	Cylindrical
Density	ISO 12154:2014	g/cm ³	1.33 ± 0.1
Mechanical Properties			
Mold Shrinkage	ASTM D955	%	0.4~0.5
Tensile Strength	ASTM D638	Kgf/cm ²	660
Tensile Modulus	ASTM D638	Kgf/cm ²	30,200
Elongation at Yield	ASTM D638	%	3.7
Elongation at Break	ASTM D638	%	250
Flexural Strength	ASTM D790	Kgf/cm ²	990
Flexural Modulus	ASTM D790	Kgf/cm ²	25,000
IZOD Impact Strength Notched at 23°C	ASTM D256	kgf·cm/cm	3
HDT (4.6kgf/cm ²)	ASTM D648	°C	65
HDT (18.5kgf/cm ²)	ASTM D648	°C	63

1. Properties : These are not to be construed as specifications.

2. ISO 9001, 14001, /TS 16949

* The last update date : May 20206