

ABS LG713

ABS

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	4	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	10	kg	-
Mold Shrinkage, MD	0.0055	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	37.3	MPa	ASTM D 638
Elongation at Break	40	%	ASTM D 638
Flexural Modulus	1923	MPa	ASTM D 790
Flexural Strength	60.8	MPa	ASTM D 790
Rockwell Hardness	R 96	-	ASTM D 785
Izod Impact notched, 1/8 in	245	J/m	ASTM D 256
Izod Impact notched, 1/4 in	217	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	113	J/m	ASTM D 256
Temperature	-30	°C	-

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	97	°C	ASTM D 648
DTUL @ 264 psi	90	°C	ASTM D 648
Vicat Temperature	95	°C	ASTM D 1525

Optical properties	Value	Unit	Test Standard
ASTM Data			
Gloss	30	-	ASTM D 2457

Other properties	Value	Unit	Test Standard
Density	1040	kg/m ³	ASTM D 792

Processing Recommendation Extrusion	Value	Unit	Test Standard
Pre-drying - Temperature	70 - 80	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.01	%	-
Melt temperature	200 - 250	°C	-
Zone 1	180 - 210	°C	-
Zone 2	190 - 230	°C	-
Zone 3	200 - 250	°C	-
Zone 4	200 - 250	°C	-
Nozzle temperature	200 - 250	°C	-

Characteristics**Processing**

Other Extrusion

Applications

Automotive

Regional Availability

North America, Europe, Asia Pacific, South and Central America