

**ABS RX710**

ABS

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	37	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
<b>ASTM Data</b>			
Tensile Strength at Yield	38.3	MPa	ASTM D 638
Elongation at Yield	5	%	ASTM D 638
Elongation at Break	30	%	ASTM D 638
Flexural Modulus	1864	MPa	ASTM D 790
Flexural Strength	56.9	MPa	ASTM D 790
Rockwell Hardness	R 97	-	ASTM D 785
Izod Impact notched, 1/8 in	566	J/m	ASTM D 256
Izod Impact notched, 1/4 in	283	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
DTUL @ 66 psi	90	°C	ASTM D 648
DTUL @ 264 psi	84	°C	ASTM D 648
Vicat Temperature	91	°C	ASTM D 1525

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

Processing Recommendation Injection Molding	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	-
Mold temperature	40 - 80	°C	-
Zone 1	180 - 200	°C	-
Zone 2	190 - 230	°C	-
Zone 3	200 - 250	°C	-
Nozzle temperature	200 - 250	°C	-
Screw speed	50 - 100	rpm	-
Back pressure	0.5 - 1	MPa	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

High impact or impact modified

**Applications**

Refrigeration

**Regional Availability**

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