

ABS ER232

ABS

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	26	g/10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2200	MPa	ISO 527
Yield stress	43	MPa	ISO 527
Flexural modulus, 23°C	2500	MPa	ISO 178
Flexural strength	72	MPa	ISO 178
Charpy impact strength, +23°C	24	kJ/m ²	ISO 179/1eU
Izod notched impact strength, +23°C	24	kJ/m ²	ISO 180/1A
Rockwell hardness	R 109	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	84 ⁽¹⁾	°C	ISO 75-1/-2
Vicat softening temperature, B	101	°C	ISO 306

1: 4 mm

Other properties	Value	Unit	Test Standard
Density	1040	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 95	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.05	%	-
Melt temperature	230 - 250	°C	-
Mold temperature	40 - 80	°C	-
Nozzle temperature	230 - 250	°C	-
Screw speed	60	rpm	-
Back pressure	0.7 - 1.5	MPa	-

Characteristics**Processing**

Injection Molding

Applications

Automotive

Special Characteristics

Platable

Regional Availability

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