

ABS ER400H

ABS

LG Chem

Product Texts

Low TVOC & Low Gloss ABS

Processing/Physical Characteristics

	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	5	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	1900	MPa	ISO 527
Yield stress	40	MPa	ISO 527
Flexural modulus, 23°C	2000	MPa	ISO 178
Flexural strength	60	MPa	ISO 178
Charpy notched impact strength, +23°C	36	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	10	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	36	kJ/m ²	ISO 180/1A
Izod notched impact strength	10	kJ/m ²	ISO 180/1A
Temperature	-30	°C	-
Rockwell hardness	R 98	-	ISO 2039-2

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	82	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	89	°C	ISO 75-1/-2
Vicat softening temperature, B	98	°C	ISO 306

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 - 90	°C	-
Pre-drying - Time	3 - 4	h	-
Mold temperature	40 - 80	°C	-
Zone 1	220 - 270	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

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