

ABS TR552F

ABS

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	5	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	40	MPa	ASTM D 638
Elongation at Yield	5	%	ASTM D 638
Elongation at Break	25	%	ASTM D 638
Flexural Modulus	1700	MPa	ASTM D 790
Flexural Strength	61	MPa	ASTM D 790
Izod Impact notched, 1/8 in	50	J/m	ASTM D 256
Izod Impact notched, 1/4 in	50	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	20	J/m	ASTM D 256
Temperature	-30	°C	-

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	87 ⁽¹⁾	°C	ASTM D 648
DTUL @ 264 psi	79 ⁽¹⁾	°C	ASTM D 648
Vicat Temperature	87	°C	ASTM D 1525

1: 6.4 mm

Optical properties	Value	Unit	Test Standard
ASTM Data			
Haze	1	%	ASTM D 1003
Light Transmittance	91	%	ASTM D 1003

Other properties	Value	Unit	Test Standard
Density	1050	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding, Other Extrusion

Applications

Electrical and Electronical

Special Characteristics

Transparent

Regional Availability

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

Features

Blush Resistance/Low Crease Whitening