

## Technical Data Sheet

### *Adstif*HA1152



High Crystallinity Polypropylene

#### Product Description

*Adstif*HA1152 is a high crystallinity homopolymer designed for injection molding applications with high processability. It features extremely high stiffness, high flowability, high gloss.

*Adstif*HA1152 has been especially developed for the production of stiff injection moulded articles, where high rigidity is needed.

Typical applications of *Adstif*HA1152 would include packaging containers, housewares, appliances, technical parts.

#### Regulatory Status

For regulatory compliance information, see *Adstif*HA1152 [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Africa-Middle East; Europe
Application	Housewares
Market	Automotive; Compounding
Processing Method	Injection Molding
Attribute	High Flow; High Gloss; High Rigidity; High Stiffness

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	25	g/10 min	ISO 1133-1
Density	0.90	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
Flexural Modulus	2000	MPa	ISO 178
Tensile Modulus	2000	MPa	ISO 527-1, -2
Tensile Stress at Yield	40	MPa	ISO 527-1, -2
Tensile Strain at Yield	6	%	ISO 527-1, -2
<b>Impact</b>			
Charpy Impact Strength - Notched, (23 °C)	2	kJ/m <sup>2</sup>	ISO 179
<b>Hardness</b>			
Ball Indentation Hardness	93	MPa	ISO 2039-1
<b>Thermal</b>			
Vicat Softening Temperature			
(A50)	158	°C	ISO 306
(B50)	104	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	110	°C	ISO 75B-1, -2

## Notes

These are typical property values not to be construed as specification limits.

## Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

## Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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