

## Technical Data Sheet

### Hifax CA 212 A



Catalloy

#### Product Description

Hifax CA 212 A is a reactor TPO (thermoplastic polyolefin) manufactured using the LyondellBasell's proprietary *Catalloy* process technology.

It has been developed for industrial applications where a combination of good processability and excellent softness is required.

The grade is available in natural pellet form.

#### Regulatory Status

For regulatory compliance information, see Hifax CA 212 A [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

<b>Status</b>	Commercial: Active
<b>Availability</b>	Asia-Pacific; Australia and New Zealand; Europe; North America; South & Central America
<b>Application</b>	Automotive Flooring; Polymer Modifier; Single Ply Roofing; TPO Foils and Skins
<b>Market</b>	Automotive; Industrial, Building & Construction
<b>Processing Method</b>	Calendaring; Compounding; Extrusion Coating; Injection Molding; Sheet
<b>Attribute</b>	Good Flexibility; Good Processability; High Filler Loading Capability; High Flow; High Impact Resistance; Soft

Typical Properties	Nominal		Test Method
	Value	Units	
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	8	g/10 min	ISO 1133-1
Density, (23 °C, Method A)	0.88	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
Flexural Modulus	80	MPa	ISO 178
Tensile Stress at Break	10	MPa	ISO 527-1, -2
Tensile Elongation at Break	450	%	ISO 8986-2
<b>Impact</b>			
Charpy Impact Strength - Notched			
(23 °C)	NB	kJ/m <sup>2</sup>	ISO 179
(-20 °C)	NB	kJ/m <sup>2</sup>	ISO 179
(-40 °C)	4	kJ/m <sup>2</sup>	ISO 179
<b>Hardness</b>			
Shore Hardness, (Shore D)	30		ISO 868
<b>Thermal</b>			
Vicat Softening Temperature, (A/10 N)	56	°C	ISO 306
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	40	°C	ISO 75B-1, -2
Melting Temperature	142	°C	ISO 11357-3

## 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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