



# Hifax CA 7201 A

LyondellBasell Industries - Polyolefin

Tuesday, November 5, 2019

## General Information

### Product Description

Hifax CA 7201 A is a reactor TPO (thermoplastic polyolefin) manufactured using the LyondellBasell's proprietary Catalloy process technology. It is primarily used for bumper and interior/exterior trim applications in Automotive. It has a very high impact performance, reduced shrinkage and a very good paintability. The material also has a high level of processability.

The grade is available in natural pellet form.

### General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Adhesion • Good Dimensional Stability • Good Processability	• Good Stiffness • High Impact Resistance • Paintable	• Ultra High Impact Resistance
Uses	• Automotive Applications • Automotive Bumper • Automotive Exterior Parts	• Automotive Exterior Trim • Automotive Interior Parts • Automotive Interior Trim	• Compounding • Plastics Modification
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Compounding	• Injection Molding	

## ASTM & ISO Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	0.890	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	2470	psi	ASTM D638
Tensile Stress (Break)	2320	psi	ISO 527-2
Tensile Strain (Yield)	13	%	ISO 527-2
Tensile Strain (Break)	> 500	%	ISO 527-2
Flexural Modulus	109000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-40°F	4.8	ft·lb/in <sup>2</sup>	
-4°F	21	ft·lb/in <sup>2</sup>	
73°F	24	ft·lb/in <sup>2</sup>	
Instrumented Dart Impact <sup>2</sup> (-22°F, 0.126 in)	212	in·lb	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (66 psi, Unannealed)	149	°F	ISO 75-2/B
Melting Temperature	325	°F	ISO 11357-3

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 7.22 ft/sec