# Hifax CA 387 A

### Thermoplastic Polyolefin Elastomer

#### LyondellBasell Industries

#### Message:

Hifax CA 387 A is a reactor TPO (thermoplastic polyolefin) manufactured using LyondellBasell' s proprietary Catalloy process technology. It has high melt flow and an excellent balance of impact, stiffness, processability and paintability. Hifax CA 387 A is primarily used for painted automotive bumper fascias that require high durability, and for other injection molded parts with paintable and weatherable requirements. It is also utilized as a component in compounded materials for a wide range of industrial applications.

The grade is available in natural pellet form.

For regulatory compliance information see Hifax CA387 Product Stewardship Bulletin (PSB).

General Information			
Features	Durable		
	Good Colorability		
	Good Moldability		
	Good Stiffness		
	High Flow		
	High Impact Resistance		
	Paintable		
Uses	Automotive Applications		
	Automotive Bumper		
	Automotive Exterior Parts		
	Compounding		
	Industrial Applications		
	Plastics Modification		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Compounding		
	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16			
kg)	19	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	63		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	18.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2

Yield	7.5	%	
Break	75	%	
Flexural Modulus - Chord <sup>1</sup> (23°C)	1000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
-40°C, Complete Break	7.0	kJ/m²	
23°C, Partial Break	47	kJ/m²	
Instrumented Dart Impact <sup>2</sup>			ASTM D3763
-40°C, 3.20 mm, Energy at Peak Load,			
Ductile Failure	27.0	J	
23°C, 3.20 mm, Energy at Peak Load,			
Ductile Failure	17.0	J	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	74.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	47.0	°C	ISO 75-2/A
NOTE			
1.	2.0 mm/min		

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