

Hifax X 1956 A

Thermoplastic Polyolefin Elastomer

LyondellBasell Industries

Message:

Hifax X 1956 A is a reactor TPO (thermoplastic polyolefin) manufactured using the LyondellBasell’s proprietary Catalloy process technology. This grade is primarily used in polyolefin-based compounds to improve mechanical properties and enhance moulded part appearance. In particular, the product is used by our customers for providing tiger stripe resistance and improved aesthetics for unpainted automotive components. The grade is available in natural pellet form. For regulatory compliance information see Hifax X 1956 A Product Stewardship Bulletin (PSB).

General Information			
Features	Good Colorability		
	Good Flexibility		
	Good Impact Resistance		
	High Elongation		
	High Tensile Strength		
	Low Flow		
Uses	Automotive Applications		
	Outdoor Applications		
	Plastics Modification		
	Profiles		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Calendering		
	Compounding		
	Extrusion		
	Injection Molding		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	0.890	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.2	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	65		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	20.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	> 10	%	
Break	> 500	%	

Flexural Modulus	850	MPa	ISO 178
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ¹	67.0	kN/m	ASTM D624
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
-40°C	5.0	kJ/m ²	
-20°C	40	kJ/m ²	
23°C	75	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	148	°C	ISO 306/A50
Melting Temperature	163	°C	ISO 11357-3
NOTE			

1. Die C, 50 mm/min

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