Hifax CA 7378 A

Thermoplastic Polyolefin Elastomer

LyondellBasell Industries

Message:

Hifax CA 7378 A is a reactor TPO (thermoplastic polyolefin) manufactured using the LyondellBasell's proprietary Catalloy process technology.
It is suitable for injection molding controlled shrinkage applications (e.g. automotive exterior or interior).
Hifax CA 7378 A exhibits high melt flow rate with good impact/stiffness balance and reduced shrinkage.
The grade is available in natural pellet form.

General Information	
Features	Good Impact Resistance
	Good Stiffness
	High Flow
	Low Shrinkage
Uses	Automotive Applications
	Automotive Exterior Parts
	Automotive Interior Parts
	Compounding
	Plastics Modification
Appearance	Natural Color
Forms	Pellets
Processing Method	Compounding
	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ISO 1133
Molding Shrinkage			Internal Method
Across Flow	1.0	%	
Flow	0.90	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	21.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	8.0	%	
Break	> 500	%	
Flexural Modulus	1200	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**

Notched Izod Impact Strength			ISO 180
-40°C	5.5	kJ/m^2	
23°C	37	kJ/m^2	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	90.0	°C	ISO 75-2/B
CLTE - Flow (23 to 80°C)	1.0E-4	cm/cm/°C	ASTM D696

Recommended distributors for this material

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