

Hifax CA45F

Thermoplastic Polyolefin Elastomer
LyondellBasell Industries

Message:

Hifax CA45F medium melt flow, 820 MPa flexural modulus, reactor grade thermoplastic elastomeric olefin (TEO) resin has a very good balance of properties and excellent moldability. It was designed primarily for molded-in color automotive exterior components and is based on material from Basell's Spheripol process.

General Information			
Features	Good Moldability		
	Good Processability		
	Good UV Resistance		
	Medium Flow		
	Pleasing Surface Appearance		
Uses	Automotive Applications		
	Automotive Exterior Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.890	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.0	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	16.0	MPa	ISO 527-2
Tensile Strain (Yield)	8.0	%	ISO 527-2
Flexural Modulus	820	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
-40°C	7.0	kJ/m ²	
23°C	50	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	63.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	43.0	°C	ISO 75-2/A
CLTE - Flow (-30 to 100°C)	1.0E-4	cm/cm/°C	ASTM E228, ISO 11359-2

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