Hifax DX277

Thermoplastic Polyolefin Elastomer

LyondellBasell Industries

Message:

Hifax DX277 medium high melt flow, 1,000 MPa flexural modulus, thermoplastic elastomeric olefin (TEO) nanocomposite has an excellent balance of properties and processability. It is characterized by an exceptional impact/stiffness balance, which is attainable at very low density. As a result, parts molded from DX277 are light in weight and exhibit good toughness characteristics.

General Information			
Features	Good Dimensional Stability Good Impact Resistance Good Stiffness Low Density Paintable		
Uses	Automotive Applications Automotive Exterior Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.910	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ASTM D1238, ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	18.0	MPa	ISO 527-2
Tensile Strain (Yield)	12	%	ISO 527-2
Flexural Modulus	1000	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact Strength			ISO 180
-40°C	4.7	kJ/m²	
23°C	36	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	78.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	49.0	°C	ISO 75-2/A
CLTE - Flow (-30 to 100°C)	6.8E-5	cm/cm/°C	ASTM E228, ISO 11359-2

Recommended distributors for this material

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