

Hifax ETA3183

Thermoplastic Polyolefin Elastomer

LyondellBasell Industries

Message:

Hifax ETA3183 medium melt flow, 1,300 MPa flexural modulus, paintable, mineral-filled thermoplastic elastomeric olefin (TEO) resin has an excellent combination of stiffness and dynamic impact characteristics. It was designed primarily for automotive exterior ornamentation applications.

General Information			
Filler / Reinforcement	Mineral filler		
Features	Good dimensional stability		
	Rigid, good		
	Impact resistance, good		
	Sprayable		
	Medium liquidity		
Uses	Application in Automobile Field		
	Automotive exterior parts		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.980	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	19.0	MPa	ISO 527-2
Tensile Strain (Yield)	10	%	ISO 527-2
Flexural Modulus	1300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180
-40°C	3.5	kJ/m ²	ISO 180
23°C	37	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	85.0	°C	ISO 75-2/B
1.8 MPa, not annealed	50.0	°C	ISO 75-2/A
CLTE - Flow (-30 to 100°C)	6.2E-5	cm/cm/°C	ASTM E228, ISO 11359-2

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

