

Hifax TKC 805P E

Thermoplastic Polyolefin Elastomer
LyondellBasell Industries

Message:

Hifax TKC 805P E medium melt flow, 2500 MPa flexural modulus, precolored, UV-stabilized, mineral -filled thermoplastic elastomeric olefin (TPO) resin has a very good balance of properties. It was designed primarily for rigid automotive exterior applications.

General Information			
Filler / Reinforcement	Mineral		
Additive	UV Stabilizer		
Features	Good Impact Resistance		
	Good Moldability		
	Good Weather Resistance		
	High Stiffness		
	Medium Flow		
Uses	Automotive Applications		
	Automotive Exterior Parts		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	13.0	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	19.0	MPa	ISO 527-2
Flexural Modulus	2500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	3.0	kJ/m²	
23°C	35	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	115	°C	ASTM D648, ISO 75-2/B
Vicat Softening Temperature	140	°C	ISO 306/A

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