

Hostacom TYC727N

Thermoplastic Polyolefin Elastomer
LyondellBasell Industries

Message:

Hostacom TYC727N high melt flow, 2,000 MPa flexural modulus, mineral-filled thermoplastic elastomeric olefin (TEO) resin has an excellent balance of processability, rigidity, and impact and scratch and mar resistance. It was designed primarily for molded-in color and painted automotive instrument panels that require high durability.

General Information			
Filler / Reinforcement	Mineral		
Features	Good Dimensional Stability		
	Good Impact Resistance		
	Good Moldability		
	High Flow		
	High Rigidity		
	Paintable		
	Scratch Resistant		
Uses	Automotive Applications		
	Automotive Instrument Panel		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.02	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	28	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	23.0	MPa	ISO 527-2
Tensile Strain (Yield)	8.0	%	ISO 527-2
Flexural Modulus	2000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
-40°C	3.5	kJ/m²	
23°C	30	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	110	°C	ISO 75-2/B
1.8 MPa, Unannealed	57.0	°C	ISO 75-2/A
CLTE - Flow (-30 to 100°C)	4.8E-5	cm/cm/°C	ASTM E228, ISO 11359-2

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