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/cm^3	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/m^2	
23°C	30	kJ/m^2	
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

Recommended distributors for this material

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