Technical Data Sheet

Hostacom TYC727N SHALE

Polypropylene Compounds

Product Description

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

Regulatory Status

For regulatory compliance information, see *Hostacom* TYC727N SHALE Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	North America
Application	Instrument Panels; Interior Automotive Applications
Market	Automotive
Processing Method	Injection Molding
Attribute	Good Dimensional Stability; Good Impact Resistance; Good Moldability; High Flow; High Rigidity; Scratch Resistant

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	28	g/10 min	ISO 1133-1
Density, (23 °C)	1.02	g/cm³	ISO 1183-1
Mechanical			
Flexural Modulus	2000	MPa	ISO 178
Tensile Stress at Yield	23	MPa	ISO 527-1, -2
Tensile Strain at Yield	8	%	ISO 527-1, -2
Impact			
Notched Izod Impact Strength			
(23 °C)	30	kJ/m²	ISO 180
(-40 °C)	3.5	kJ/m²	ISO 180
Thermal			
Deflection Temperature Under Load			
(0.45 MPa, Unannealed)	110	°C	ISO 75B-1, -2
(1.80 MPa, Unannealed)	57	°C	ISO 75A-1, -2
Coefficent of Linear Thermal Expansion (CLTE), Flow, (-22 to 212 °F, -30 to 100 °C)	4.8 x 10-5	cm/cm/°C	ISO 11359-1, -2
Additional Information			
Mold Shrinkage			ISO 294-4
Please contact LyondellBasell for shrinkage recommendations.			

Notes

These are typical property values not to be construed as specification limits.