Hostacom TYC727N

Compounded Polyolefin

Product Description

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.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Processing Methods	Injection Molding
Features	Good Dimensional Stability, High Flow , Good Impact Resistance , Good Moldability , Paintable, High Rigidity , Scratch Resistant
Typical Customer Applications	Automotive Parts, Instrument Panels

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	1.02	g/cm³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	28	g/10 min
Note: Alternative test method is ASTM D 1238-01.			
Mechanical			
Tensile Stress at Yield	ISO 527-1, -2	23	MPa
Tensile Strain at Yield	ISO 527-1, -2	8	%
Flexural modulus	ISO 178	2000	MPa
Impact			
Notched izod impact strength	ISO 180		
(23 °C)		30	kJ/m²
(-40 °C)		3.5	kJ/m²
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	110	°C
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	57	°C
CLTE, Flow	ISO 11359-1, -2	4.8 x 10-5	cm/cm/°C
Note: Determined over a temperature range of -30°C to 100°C. Alternative test method is ASTM E 228-95.			
Additional Information			
Mold shrinkage	ISO 294-4		
Note: Please contact Basell for shrinkage recommendations.			

Notes

Typical properties; not to be construed as specifications.

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