

## Hostacom TYC727D

### Compounded Polyolefin

#### Product Description

Hostacom TYC727D high melt flow, 2,000 MPa flexural modulus, UV-stabilized, precolored, 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 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 , High Rigidity , Scratch Resistant, Good Weather Resistance
Typical Customer Applications	Instrument Panels

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density	ISO 1183	1.02	g/cm <sup>3</sup>
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	28	g/10 min
<i>Note: Alternative test method is ASTM D 1238-01.</i>			
<b>Mechanical</b>			
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
<b>Impact</b>			
Notched izod impact strength	ISO 180		
(23 °C)		30	kJ/m <sup>2</sup>
(-40 °C)		3.5	kJ/m <sup>2</sup>
<b>Thermal</b>			
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 <sup>-5</sup>	cm/cm/°C
<i>Note: Determined over a temperature range of -30°C to 100°C. Alternative test method is ASTM E 228-95.</i>			
<b>Additional Information</b>			
Mold shrinkage	ISO 294-4		
<i>Note: Please contact Basell for shrinkage recommendations.</i>			

#### Notes

Typical properties; not to be construed as specifications.

