

Hostacom TYC727N Wren

LyondellBasell Industries - Polypropylene

General Information

Product Description

Hostacom TYC727N Wren 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.

General

Features	<ul style="list-style-type: none"> • Good Dimensional Stability • Good Impact Resistance 	<ul style="list-style-type: none"> • Good Moldability • Good Scratch Resistance 	<ul style="list-style-type: none"> • High Flow • High Rigidity
Uses	<ul style="list-style-type: none"> • Automotive Applications 	<ul style="list-style-type: none"> • Automotive Instrument Panel 	<ul style="list-style-type: none"> • Automotive Interior Parts
Processing Method	<ul style="list-style-type: none"> • Injection Molding 		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.02	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	28	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	3340	psi	ISO 527-2
Tensile Strain (Yield)	8.0	%	ISO 527-2
Flexural Modulus	290000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
-40°F	1.7	ft·lb/in ²	
73°F	14	ft·lb/in ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	230	°F	ISO 75-2/B
Deflection Temperature Under Load 264 psi, Unannealed	135	°F	ISO 75-2/A
CLTE - Flow (-22 to 212°F)	2.7E-5	in/in/°F	ISO 11359-2