

Hifax CA387PC

Advanced Polyolefin

Product Description

Hifax CA387PC high melt flow, medium low flexural modulus thermoplastic elastomeric olefin (TEO) resin has an excellent balance of impact, stiffness, processability and paintability. It is based on material produced from Basell's proprietary Catalloy process and is primarily being used by our customers for automotive bumper fascias that require high durability.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Processing Methods	Injection Molding
Features	Durable, High Flow , High Impact Resistance , Good Moldability , Good Stiffness
Typical Customer Applications	Bumpers, Exterior Applications

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.91	g/cm ³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	18	g/10 min
<i>Note: Alternative test method is ASTM D 1238-01.</i>			
Mechanical			
Tensile Stress at Yield	ISO 527-1, -2	18	MPa
Tensile Strain at Yield	ISO 527-1, -2	7.5	%
Flexural modulus	ISO 178	1000	MPa
Impact			
Notched izod impact strength	ISO 180		
(23 °C)		45	kJ/m ²
(-40 °C)		7.0	kJ/m ²
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	80	°C
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	52	°C
CLTE, Flow	ISO 11359-1, -2	10 x 10 ⁻⁵	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>			
Additional Information			
Mold shrinkage	ISO 294-4		
<i>Note: Please contact LyondellBasell for shrinkage recommendations.</i>			

Notes

Typical properties; not to be construed as specifications.

