

Technical Data Sheet

Hifax CA387PC YBTA

Polypropylene Compounds

Product Description

Hifax CA387PC YBTA 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 LyondellBasell's proprietary Catalloy process and is typically used for automotive bumper fascias that require high durability.

Application	Automotive Parts; Bumpers; Exterior Automotive Applications
Market	Automotive
Processing Method	Injection Molding
Attribute	Durable; Good Moldability; Good Stiffness; High Flow; High Impact Resistance

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	18	g/10 min	ISO 1133-1
Density, (23 °C)	0.91	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	1000	MPa	ISO 178
Tensile Stress at Yield	18	MPa	ISO 527-1, -2
Tensile Strain at Yield	7.5	%	ISO 527-1, -2
Impact			
Notched Izod Impact Strength			
(23 °C)	45	kJ/m ²	ISO 180
(-40 °C)	7.0	kJ/m ²	ISO 180
Thermal			
Deflection Temperature Under Load			
(0.45 MPa, Unannealed)	80	°C	ISO 75B-1, -2
(1.80 MPa, Unannealed)	52	°C	ISO 75A-1, -2
Coefficient of Linear Thermal Expansion (CLTE), Flow, (-22 to 212 °F, -30 to 100 °C)	10 x 10 ⁻⁵	cm/cm/°C	ISO 11359-1, -2
Additional Information			
Mold Shrinkage			ISO 294-4
Please contact LyondellBasell for shrinkage recommendations.			