



Dexflex 1010E

Compounded Polyolefin

Product Description

DEXFLEX 1010E is a thermoplastic olefinic elastomer (TPO) developed for automotive airbag covers. This material is being designed to provide low-temperature impact, superior dimensional stability and improved processing characteristics. DEXFLEX 1010E material will be provided precolored or natural. DEXFLEX 1010E material is engineered for passenger-side airbag covers. Its superior dimensional stability makes it desirable for top-mounted applications, either as a substrate or a cover material

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, Asia-Pacific, Africa-Middle East
Processing Methods	Injection Molding
Features	Ductile, Low Temperature Flexibility, Impact Modified, High Impact Resistance, Low Temperature Impact Resistance, Paintable
Typical Customer Applications	Automotive Parts, Impact modification, Interior Applications

Typical Properties	Method	Value Unit
Physical		
Density -Specific Gravity	ASTM D 792	890 kg/m ³
Melt Flow Rate	ASTM D 1238	5 g/10 min
Note: Cond. L		
Mechanical		
Flexural Modulus	ASTM D 790	600 MPa
Note: I.B., TAN, 0,5 in/min		
Tensile Strength @ Yield	ASTM D 638	18 MPa
Note: IV, 5 in/min		
Tensile Elongation @ Yield	ASTM D 638	15 %
Impact		
Notched Izod Impact	ASTM D 256	
(+23 °C)		No Break kJ/m ²
(-40 °C)		No Break kJ/m ²
Hardness		
Shore hardness D	ISO 868/ASTM D 2240	55
Additional Information		
Mold shrinkage	ISO 294-4	0,5 - 0,9 %
Note: measured on internal test specimen		

Notes

Typical properties; not to be construed as specifications.

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Users should review the applicable Material Safety Data Sheet before handling the product.

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