

Ultradur® HMG12 BK15029

Polybutylene Terephthalate/Polyethylene Terephthalate



Product Description

Ultradur HMG12 BK15029 is a polybutylene terephthalate alloy reinforced with 55% glass fiber. In addition to high stiffness, Ultradur HMG12 BK15029 offers exceptional dimensional stability.

Applications

Typical applications include automotive exterior components such as mirror brackets and wiper arms.

PHYSICAL	ISO Test Method	Property Value
Density, g/cm	1183	1.81
Mold Shrinkage, parallel, %	294-4	0.5
Mold Shrinkage, normal, %	294-4	0.9
MECHANICAL	ISO Test Method	Property Value
Tensile Modulus, MPa	527	
23C		21,000
Tensile stress at break, MPa	527	
23C		163
Tensile strain at break, %	527	
23C		1.3
Flexural Modulus, MPa	178	
23C		19,200
IMPACT	ISO Test Method	Property Value
Izod Notched Impact, kJ/m ²	180	
23C		10
-40C		11
Charpy Notched, kJ/m ²	179	
23C		10
Charpy Unnotched, kJ/m ²	179	
23C		47
THERMAL	ISO Test Method	Property Value
Melting Point, C	3146	223
HDT A, C	75	207
HDT B, C	75	219

Note

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