

# 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 <sup>2</sup>	180	
23C		10
-40C		11
Charpy Notched, kJ/m <sup>2</sup>	179	
23C		10
Charpy Unnotched, kJ/m <sup>2</sup>	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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