LNP™ THERMOCOMP™ Compound JF004 - Asia

PESU-GF20 — Saudi Basic Industries Corporation (SABIC)

Product Texts

LNP THERMOCOMP JF004 compound is based on Polyethersulfone (PES) resin containing 20% glass fiber.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	**0.6**	%	ISO 294-4, 2577
Molding shrinkage, normal	**0.7**	%	ISO 294-4, 2577
ASTM Data			
Mold Shrinkage, MD	**0.6**	mm/mm	ASTM D 955
Mold Shrinkage, TD	**0.7**	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**7590**	MPa	ISO 527
Stress at break	**109**	MPa	ISO 527
Strain at break	**2.9**	%	ISO 527
Flexural modulus	**6410**	MPa	ISO 178
Flexural strength	**182**	MPa	ISO 178
Izod impact strength, +23°C, 4mm	**73**	kJ/m²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	**7**	kJ/m²	ISO 180/1A
ASTM Data			
Tensile Modulus	**7350**	MPa	ASTM D 638
Tensile Strength at Break	**114**	MPa	ASTM D 638
Elongation at Break	**2.8**	%	ASTM D 638
Flexural Modulus	**6690**	MPa	ASTM D 790
Flexural Strength	**186**	MPa	ASTM D 790
Izod Impact notched, 1/8 in	**53**	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	**413**	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**205**	°C	ISO 75-1/-2
ASTM Data			
DTUL @ 264 psi	**205**	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Humidity absorption	**0.74**	%	Sim. to ISO 62
Density	**1510**	kg/m³	ISO 1183
Water Absorption, 24hr	**0.4**	%	ASTM D 570
Density	**1510**	kg/m³	ASTM D 792

Characteristics

Processing

Injection Molding

Regional Availability

Asia Pacific