



LNP* Stat-kon* Compound WFD059

Asia Pacific: COMMERCIAL

Also known as: LNP* Stat-kon* Compound WF-FR

Product reorder name: WFD059

LNP* Stat-kon* WFD059 is a compound based on Polybutylene Terephthalate resin containing Glass Fiber, Flame Retardant. Added features of this material include: Flame Retardant.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	UNIT	STANDARD
MECHANICAL			
Tensile Stress, yield	920	kgf/cm ²	ASTM D 638
Tensile Stress, break	920	kgf/cm ²	ASTM D 638
Tensile Strain, yield	1.5	%	ASTM D 638
Tensile Strain, break	1.5	%	ASTM D 638
Tensile Modulus, 50 mm/min	91300	kgf/cm ²	ASTM D 638
Flexural Stress	1260	kgf/cm ²	ASTM D 790
Flexural Modulus	84300	kgf/cm ²	ASTM D 790
Flexural Stress	135	MPa	ISO 178
Flexural Modulus	8000	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	38	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	5	cm-kgf/cm	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	43	cm-kgf	ASTM D 3763
Izod Impact, unnotched 80*10*4 +23°C	23	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	4	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	218	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	201	°C	ASTM D 648
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	218	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	198	°C	ISO 75/Af
PHYSICAL			
Density	1.61	g/cm ³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs		%	ASTM D 570
Mold Shrinkage, flow, 24 hrs	0.6	%	ASTM D 955



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TYPICAL PROPERTIES ¹	TYPICAL VALUE	UNIT	STANDARD
PHYSICAL			
Mold Shrinkage, xflow, 24 hrs	1.3	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs	0.56	%	ISO 294
Mold Shrinkage, xflow, 24 hrs	1.3	%	ISO 294
Density	1.6	g/cm ³	ISO 1183
ELECTRICAL			
Surface Resistivity	1.E+03 - 1.E+05	Ohm	ASTM D 257