

# BULKSAM® NTV25

Acrylonitrile Butadiene Styrene

UMG ABS, Ltd.

## Message:

BULKSAM® NTV25 is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Asia Pacific or North America for injection molding.

Important attributes of BULKSAM® NTV25 are:

Flame Rated

RoHS Compliant

General Information			
RoHS Compliance	RoHS Compliant		
UL File Number	E47016		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.20	g/cm <sup>3</sup>	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	3.00	cm <sup>3</sup> /10min	ISO 1133
Molding Shrinkage - Flow (23°C)	0.60 to 0.80	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	96		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2000	MPa	ISO 527-2
Tensile Stress (23°C)	37.0	MPa	ISO 527-2
Flexural Modulus <sup>1</sup> (23°C)	2100	MPa	ISO 178
Flexural Stress <sup>2</sup> (23°C)	60.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	5.0	kJ/m <sup>2</sup>	
23°C	10	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	95.0	°C	ISO 75-2/Af
CLTE - Flow	9.0E-5	cm/cm/°C	ISO 11359-2
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	V-0		UL 94
Injection	Nominal Value	Unit	Test Method
Drying Temperature	105 to 110	°C	
Drying Time	3.0 to 4.0	hr	
Rear Temperature	190 to 210	°C	
Middle Temperature	210 to 230	°C	
Front Temperature	220 to 250	°C	

Nozzle Temperature	220 to 230	°C
Processing (Melt) Temp	220 to 250	°C
Mold Temperature	50.0 to 60.0	°C
Injection Pressure	70.0 to 140	MPa
Injection Rate	Slow-Moderate	
Back Pressure	5.00 to 10.0	MPa
Screw Speed	30 to 70	rpm

**NOTE**

- |    |            |
|----|------------|
| 1. | 2.0 mm/min |
| 2. | 2.0 mm/min |

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**Recommended distributors for this material**

## Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

