

RAMLLOY PVB101

Acrylonitrile Butadiene Styrene + Nylon

Polyram Ram-On Industries

Message:

IMPACT MODIFIED ABS/NYLON ALLOY FOR INJECTION MOLDING

General Information			
Additive	Impact Modifier		
Features	Impact Modified		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (240°C/5.0 kg)	5.0	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			
Flow	0.80 to 1.0	%	ASTM D955
--	0.80 to 1.0	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1250	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	40.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	200	%	ASTM D638, ISO 527-2
Flexural Modulus	1400	MPa	ASTM D790, ISO 178
Flexural Strength	60.0	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	600	J/m	ASTM D256
23°C	55	kJ/m²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	80.0	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	70.0	°C	ASTM D648, ISO 75-2/A
Flammability	Nominal Value	Test Method	
Flame Rating (3.00 mm)	HB	UL 94	

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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

