

DOKI® PS VM 40902 AF-N

Specialty Polystyrene

DIOKI d.d.

Message:

DOKI® POLISTIREN VM 40902 AF-N is elastomer modified, milky white, high impact fire retardant polystyrene intended for injection moulding. Owing to its high melt flow properties, DOKI® POLISTIREN VM 40902 AF-N fully fills up mould cavities and is therefore suitable for manufacture of sizeable moulded products.

General Information			
Features	Flame Retardant		
	Food Contact Acceptable		
	Good Processability		
	High Flow		
	High Impact Resistance		
Uses	Electrical/Electronic Applications		
Agency Ratings	EC 1907/2006 (REACH)		
	EU 94/62/EC		
Appearance	White		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Apparent Density	0.75	g/cm ³	ISO 60
Melt Mass-Flow Rate (MFR) (230°C/1.2 kg)	16	g/10 min	ISO 1133
Molding Shrinkage	0.40 to 0.60	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2000	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	14.0	MPa	
Break	16.0	MPa	
Tensile Strain (Break)	> 35	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	6.0	kJ/m ²	ISO 180/4A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	83.0	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		IEC 60695-11-10
Glow Wire Ignition Temperature	850	°C	IEC 60695-2-1
Injection	Nominal Value	Unit	

Processing (Melt) Temp	160 to 230	°C
Mold Temperature	20.0 to 60.0	°C

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