

Generic PS (IRPS)

Ignition Resistant Polystyrene

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic PS (IRPS)
This information is provided for comparative purposes only.

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14 - 1.18	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	4.4 - 13	g/10 min	ASTM D1238
Molding Shrinkage - Flow (23°C)	0.40 - 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, 23°C	13.8 - 29.0	MPa	ASTM D638
Fracture, 23°C	10.3 - 24.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	30 - 41	%	ASTM D638
Flexural Modulus (23°C)	1800 - 2300	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	98 - 120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	77.7 - 81.0	°C	ASTM D648
Vicat Softening Temperature	95.9 - 100	°C	ASTM D1525
Injection	Nominal Value	Unit	
Processing (Melt) Temp	215 - 250	°C	
Mold Temperature	50.0 - 60.0	°C	
Injection instructions			

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