

Taita PS 915F

General Purpose Polystyrene

Taita Chemical Company, Ltd.

Message:

Taita PS 915F is a General Purpose Polystyrene material. It is available in Asia Pacific or North America for compounding.

Important attributes of Taita PS 915F are:

Flame Rated

High Flow

Typical application of Taita PS 915F: Additive/Masterbatch

General Information			
Features	High Flow		
Uses	Compounding		
UL File Number	E50263		
Forms	Pellets		
Processing Method	Compounding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	25	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.60	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.040	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (23°C, 3.18 mm)	39.2	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	2.0	%	ASTM D638
Flexural Modulus ² (23°C)	2940	MPa	ASTM D790
Flexural Strength ³ (Yield, 23°C)	58.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (6.35 mm)	13	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 0.500 mm)	77.0	°C	ASTM D648
Vicat Softening Temperature	88.0	°C	ASTM D1525 ⁴
Electrical	Nominal Value		Test Method
Dielectric Constant (1 MHz)	2.60		ASTM D2520
Dissipation Factor (1 MHz)	5.0E-4		ASTM D150
Flammability	Nominal Value		Test Method
Flame Rating (1.59 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Rear Temperature	160 to 280	°C	
Middle Temperature	160 to 280	°C	

Front Temperature	160 to 280	°C
Mold Temperature	35.0 to 65.0	°C
Injection Pressure	49.0 to 137	MPa

NOTE		
1.	5.0 mm/min	
2.	2.8 mm/min	
3.	2.8 mm/min	
4.	Rate B (120°C/h), Loading 1 (10 N)	

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