

ResinDirect GPPS18

General Purpose Polystyrene

ResinDirect

Message:

ResinDirect GPPS18 is a General Purpose Polystyrene material. It is available in North America.

Important attributes of ResinDirect GPPS18 are:

Flame Rated

Crystalline

High Flow

General Information			
Features	Crystal		
	High Flow		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	18	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	42.7	MPa	ASTM D638
Tensile Elongation ² (Yield)	2.0	%	ASTM D638
Flexural Modulus ³	3020	MPa	ASTM D790
Flexural Strength ⁴	55.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	21	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	81.1	°C	ASTM D648
Vicat Softening Temperature	97.2	°C	ASTM D1525 ⁵
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	
NOTE			
1.	5.1 mm/min		
2.	5.1 mm/min		
3.	2.5 mm/min		
4.	2.5 mm/min		
5.	Rate B (120°C/h)		

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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

