

UPES® 315-F

Polystyrene + PE

NOVA Chemicals

Message:

UPES® 315-F is a Polystyrene + PE (PS+PE) material. It is available in North America.

General Information			
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.980	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.14	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2060	MPa	ASTM D638
Tensile Strength ¹ (Break)	33.0	MPa	ASTM D638
Tensile Elongation ² (Break)	2.7	%	ASTM D638
Flexural Modulus	1910	MPa	ASTM D790
Flexural Strength ³ (Yield)	58.0	MPa	ASTM D790
Flexural Strain - Yield ⁴	> 5.0	%	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	26	J/m	ASTM D256
Unnotched Izod Impact	880	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	105	°C	ASTM D1525 ⁵
NOTE			
1.	5.1 mm/min		
2.	5.1 mm/min		
3.	1.3 mm/min		
4.	Testing speed of .05 inches/minute		
5.	Rate B (120°C/h), Loading 1 (10 N)		

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Recommended distributors for this material

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