UPES® 315-FLR

Polystyrene + PE

NOVA Chemicals

Message:

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

General Information			
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.980	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.40	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus [1] (Injection Molded)	2040	MPa	ASTM D638
Tensile Strength [2] (Break, Injection Molded)	32.0	MPa	ASTM D638
Tensile Elongation [3] (Break, Injection Molded)	4.3	%	ASTM D638
Flexural Modulus (Injection Molded)	1880	MPa	ASTM D790
Flexural Strength [4] (Yield, Injection Molded)	54.0	MPa	ASTM D790
Flexural Strain - Yield [5]	> 5.0	%	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (Injection Molded)	19	J/m	ASTM D256
Unnotched Izod Impact (Injection Molded)	820	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	104	°C	ASTM D1525 [6]

NOTE	
1.	5.1 mm/min
2.	5.1 mm/min
3.	5.1 mm/min
4.	1.3 mm/min
5.	0.05 in/min, Injection Molded
6.	Rate B (120°C/h), Loading 1 (10 N)

Recommended distributors for this material

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