

UPES® IP-73-UHP-LR

Polystyrene + PE

NOVA Chemicals

Message:

UPES® IP-73-UHP-LR is a Polystyrene + PE (PS+PE) material. It is available in North America.

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.02	g/cm ³	ASTM D6226
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	< 1.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹ (Injection Molded)	1860	MPa	ASTM D638
Tensile Strength ² (Break, Injection Molded)	23.9	MPa	ASTM D638
Tensile Elongation ³ (Break, Injection Molded)	12	%	ASTM D638
Flexural Modulus (Injection Molded)	1730	MPa	ASTM D790
Flexural Strength ⁴ (Yield, Injection Molded)	49.3	MPa	ASTM D790
Flexural Strain - Yield ⁵	4.5	%	ASTM D790
Shrink Ratio	< 1.0	%	ASTM D955
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Injection Molded)	28	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	82.7	°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)		

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Recommended distributors for this material

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