

INEOS STYRPLUTION

mLLDPE

PF1320AZ

Product information

Manufacturer	INEOS Styrolution Group GmbH
Material Shape	Pellets
Process	Injection molding Coating Compounding
Features	Additive free Good mechanical properties Stress crack resistance Good sealing
Application	Masterbatch Extrusion coating applications

Hardness	Condition	Standard	Value	Unit
Shore	Hardness D	ISO 868	46	

Mechanical behavior	Condition	Standard	Value	Unit
Elongation	Yield	ISO 527	18	%

Elongation	Break	ISO 527	600	%
Flexural	Modulus 23°C	ISO 178	260	MPa

Izod	Notch Impact -20°C Type A	ISO 180	70	kJ/m ²
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Tensile	Modulus	ISO 527	225	MPa
Tensile	Strength Yield 23°C	ISO 527	8	MPa

Tensile	Strength Break	ISO 527	NOBREAK	MPa
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Physical property	Condition	Standard	Value	Unit
Density	23°C	ISO 1183	913	kg/m ³

Environmental	Stress Crack Resistance	INTERNAL METHOD	29	hr
Melt	Index 190°C 2.16kg	ISO 1133	20	g/10min

Thermal	Condition	Standard	Value	Unit
Avg.	Heat of Fusion	ASTM D3418	101	J/g

Crystallization	Temperature	INTERNAL METHOD	101~82	°C
Melting	Temperature DSC 10°C/min 2nd Heating	ISO 11357	96~114	°C

Vicat	Softening Temperature 50°C/hr 10N	ISO 306	88	°C
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