

INEOS STYRPLUTION

mLLDPE

PF1315AZ

Product information

Manufacturer	INEOS Styrolution Group GmbH			
Material Shape	Pellets			
Process	Injection molding Coating Compounding			
Features	Additive freeGood mechanical propertiesStress crack resistanceGood sealing			
Application	MasterbatchExtrusion coating applications			
Hardness	Condition	Standard	Value	Unit
Shore	Hardness D	ISO 868	46	
Mechanical behavior	Condition	Standard	Value	Unit
Elongation	Yield	ISO 527	22	%
Elongation	Break	ISO 527	600	%
Flexural	Modulus 23°C	ISO 178	244	MPa
Izod	Notch Impact -20°C Type A	ISO 180	71	kJ/m ²
Tensile	Modulus	ISO 527	217	MPa
Tensile	Strength Yield 23°C	ISO 527	9	MPa
Tensile	Strength Break	ISO 527	NOBREAK	MPa
Physical property	Condition	Standard	Value	Unit
Density	23°C	ISO 1183	914	kg/m ³
Environmental	Stress Crack Resistance	INTERNAL METHOD	175	hr
Melt	Index 190°C 2.16kg	ISO 1133	15	g/10min
Thermal	Condition	Standard	Value	Unit
Avg.	Heat of Fusion	ASTM D3418	104	J/g
Crystallization	Temperature	INTERNAL METHOD	100~84	°C
Melting	Temperature DSC 10°C/min 2nd Heating	ISO 11357	96~114	°C
Vicat	Softening Temperature 50°C/hr 10N	ISO 306	90	°C