

Terluran® EHI-7

Acrylonitrile Butadiene Styrene
INEOS Styrolution Group GmbH

Message:

Terluran® EHI-7 is a medium flow, high impact extrusion grade with super high gloss and superior surface aesthetics. Styrolution' s Terluran® EHI-7 is intended for mono or multilayer sheet making it a perfect fit as a substrate for our weatherable Luran® S ASA.

General Information			
UL YellowCard	E108538-100840223		
Features	Highlight		
	Impact resistance, high		
	Good coloring		
	Medium liquidity		
	Good chemical resistance		
	Good appearance		
Uses	Sheet		
Forms	Particle		
Processing Method	Co-extrusion molding		
	Extrusion		
	Sheet extrusion molding		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.02	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	7.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 - 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2170	MPa	ASTM D638
Tensile Strength (Yield, 23°C)	43.7	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield, 23°C	2.9	%	ASTM D638
Fracture, 23°C	9.2	%	ASTM D638
Flexural Modulus	2040	MPa	ASTM D790
Flexural Strength (5.0% Strain)	0.379	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	380	J/m	ASTM D256
Instrumented Dart Impact			ASTM D3763
Peak Force	31.0	J	ASTM D3763
Total Energy	48.8	J	ASTM D3763

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	98.9	°C	ASTM D648
Vicat Softening Temperature	100	°C	ISO 306/A50
Optical	Nominal Value		Test Method
Gardner Gloss (60°)	92		ASTM D523
Extrusion	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	2.0 - 4.0	hr	
Melt Temperature	218 - 260	°C	
Extrusion instructions			
Suggested Max. Regrind: 20%			

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