INEOS STYROLUTION

Terluran EHI-7

Acrylonitrile Butadiene Styrene (ABS)

TECHNICAL DATASHEET

DESCRIPTION

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.

FEATURES

- High Impact
- High gloss
- Outstanding deep draw ability for thermoforming applications
- Excellent chemical resistance
- Excellent colorability
- Enhanced depth of image

APPLICATIONS

- Sheet extrusion
- Thermoforming
- Excellent chemical resistance
- Coextrusion with Luran® S ASA

Property, Test Condition	Standard	Unit	Values
Rheological Properties			
Melt Flow Rate, 220 °C/10 kg	ASTM D 1238	g/10 min	7
Mechanical Properties			
Izod Notched Impact Strength, 23 °C (73 °F)	ASTM D 256	ft-lb/in	7.1
Instrumented Dart Impact (total energy)	ASTM D 3763	in-lbs	432
Instrumented Dart Impact (Peak force)	ASTM D 3763	in-lbs	274
Tensile Stress at Yield, 23 °C	ASTM D 638	psi	6338
Tensile Strain at Yield, 23 °C	ASTM D 638	%	2.9
Tensile Strain at Break, 23 °C	ASTM D 638	%	9.2
Tensile Modulus	ASTM D 638	psi x 10^3	315
Flexural Modulus, 23 °C	ASTM D 790	psi x 10^3	296
Flexural Stress at 5% Deflection	ASTM D 790	psi	8000
Thermal Properties			
Vicat Softening Temperature, VST/A/50 (10N, 50 °C/h)	ISO 306	°F	212
DTUL @ 264 psi - Unannealed	ASTM D 648	°F	210
Optical Properties			

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Property, Test Condition	Standard	Unit	Values
Specular Gloss, 60 °	ASTM D 523		92
Other Properties			
Density (ASTM)	ASTM D 792	g/cm³	1.02
Processing			
Linear Mold Shrinkage	ASTM D 955	in/in	0.004 - 0.007
Melt Temperature Range	-	°F	425 - 500
Mold Temperature Range	-	°F	85 - 140
Drying Temperature	-	°F	175
Suggested Max. Regrind	-	%	20