

Lustran 256

Acrylonitrile Butadiene Styrene (ABS)

TECHNICAL DATASHEET

DESCRIPTION

Lustran® 256 resin is a natural, medium-flow, medium-impact, low-gloss, low-gel extrusion grade of ABS (Acrylonitrile Butadiene Styrene). It is used for blending with other Lustran ABS virgin and regrind materials to optimize cost and performance.

FEATURES

- Medium flow
- Medium Impact strength
- Low gloss
- Low gel

APPLICATIONS

- Used as a blending grade for extrusion applications

Property, Test Condition	Standard	Unit	Values
Mechanical Properties			
Izod Notched Impact Strength, 23 °C (73 °F)	ASTM D 256	ft-lb/in	3
Izod Notched Impact Strength, -18 °C (0 °F)	ASTM D 256	ft-lb/in	1.6
Izod Notched Impact Strength, -40 °C (-40 °F)	ASTM D 256	ft-lb/in	0.9
Instrumented Dart Impact (total energy)	ASTM D 3763	in-lbs	264
Instrumented Dart Impact (Peak force)	ASTM D 3763	in-lbs	216
Tensile Stress at Yield, 23 °C	ASTM D 638	psi	5800
Tensile Modulus	ASTM D 638	psi x 10 ³	320
Flexural Modulus, 23 °C	ASTM D 790	psi x 10 ³	350
Flexural Stress at 5% Deflection	ASTM D 790	psi	10000
Thermal Properties			
DTUL @ 264 psi - Unannealed	ASTM D 648	°F	188
Optical Properties			
Specular Gloss, 60 °	ASTM D 523		90
Other Properties			
Density	ASTM D 792	lb/in ³	1.05
Processing			
Linear Mold Shrinkage	ASTM D 955	in/in	0.004 - 0.006

Lustran 256

Acrylonitrile Butadiene Styrene (ABS)

TECHNICAL DATASHEET

Property, Test Condition	Standard	Unit	Values
Drying Temperature	-	°F	175
Drying Time	-	h	2 - 4