

Lustran 138

Acrylonitrile Butadiene Styrene (ABS)

TECHNICAL DATASHEET

DESCRIPTION

Lustran® 138 is an intermediate-gloss, high-productivity, medium-impact grade of ABS (Acrylonitrile Butadiene Styrene). It offers a good balance of physical properties. Lustran ABS 138 resin is available in 903068 black.

FEATURES

- Medium Impact
- Good balance of properties
- High productivity
- Good rigidity and intermediate abuse resistance
- Available in Black

APPLICATIONS

- Lawn and garden
- Small appliance housings

Property, Test Condition	Standard	Unit	Values
Rheological Properties			
Melt Flow Rate, 230 °C/3.8 kg	ASTM D 1238	g/10 min	6
Mechanical Properties			
Izod Notched Impact Strength, 23 °C (73 °F)	ASTM D 256	ft-lb/in	3.1
Tensile Stress at Yield, 23 °C	ASTM D 638	psi	6700
Tensile Modulus	ASTM D 638	psi x 10 ³	385
Hardness, Rockwell	ASTM D 785	R scale	112
Thermal Properties			
Vicat Softening Temperature, B/1 (120 °C/h, 10N)	ASTM D 1525	°F	225
DTUL @ 264 psi - Unannealed	ASTM D 648	°F	174
DTUL @ 264 psi - Annealed	ASTM D 648	°F	206
Coefficient of Linear Thermal Expansion	ASTM D 696	10 ⁻⁴ /°F	0.45
Other Properties			
Density	ASTM D 792	lb/in ³	1.06
Processing			
Linear Mold Shrinkage	ASTM D 955	in/in	0.004 - 0.005
Drying Temperature	-	°F	175

Lustran 138

Acrylonitrile Butadiene Styrene (ABS)

TECHNICAL DATASHEET

Property, Test Condition	Standard	Unit	Values
Drying Time	-	h	2 - 4