

# Lustran 552

Acrylonitrile Butadiene Styrene (ABS)

## TECHNICAL DATASHEET

### DESCRIPTION

Lustran® 552 is a medium-gloss, medium-impact ABS (acrylonitrile butadiene styrene) designed for extrusion/ thermoforming applications. It provides an excellence balance of rigidity and impact strength.

### FEATURES

- Medium gloss
- Medium impact strength
- UL 94 HB

### APPLICATIONS

- Profile extrusions
- Sheet substrate coextrusion

Property, Test Condition	Standard	Unit	Values
<b>Rheological Properties</b>			
Melt Volume Rate 220 °C/10 kg	ISO 1133	cm <sup>3</sup> /10 min	5
<b>Mechanical Properties</b>			
Charpy Notched Impact Strength, 23° C	ISO 179/1eA	kJ/m <sup>2</sup>	32
Charpy Notched Impact Strength, -10° C	ISO 179/1eA	kJ/m <sup>2</sup>	17
Charpy Notched Impact Strength, -30 °C	ISO 179/1eA	kJ/m <sup>2</sup>	12
Tensile Stress at Yield, 23 °C	ISO 527	MPa	40
Tensile Strain at Yield, 23 °C	ISO 527	%	2.6
Tensile Stress at Break, 23 °C	ISO 527	MPa	31
Tensile Strain at Break, 23 °C	ISO 527	%	28
Tensile Modulus	ISO 527	MPa	2000
Hardness, Rockwell	ISO 2039-2	R scale	107
<b>Thermal Properties</b>			
Vicat Softening Temperature VST/B/50 (50N, 50 °C/h)	ISO 306	°C	96
<b>Optical Properties</b>			
Specular Gloss, 60 °	-		55
<b>Other Properties</b>			

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Property, Test Condition	Standard	Unit	Values
Density	ISO 1183	kg/m <sup>3</sup>	1040
<b>Processing</b>			
Drying Temperature	-	°C	80
Drying Time	-	h	2 - 4