

## Technical Data Sheet

**Polyman ABS LP 320 EF BLK72725**

Acrylonitrile Butadiene Styrene

**Product Description**

Special grade

**Processing Method** Injection Molding**Resin ID** ABS

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Volume Flow Rate, (220 °C/10.0 kg)	19	cm <sup>3</sup> /10 min	ISO 1133
Density	1.04	g/cm <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
Tensile Stress at Yield, (Type 1A, 50 mm/min)	47.5	MPa	ISO 527-2
Nominal Tensile Strain at Break, (50 mm/min, Type 1A)	18	%	ISO 527-2
Tensile Strain at Yield, (Type 1A, 50 mm/min)	2.5	%	ISO 527-2
Tensile Stress at Break, (Type 1A, 50 mm/min)	36.3	MPa	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	2600	MPa	ISO 527-1
<b>Impact</b>			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	8.6	kJ/m <sup>2</sup>	ISO 179
<b>Thermal</b>			
Vicat Softening Temperature, (B (50N), 50 °C/h)	102	°C	ISO 306
<b>Flammable</b>			
Burning Rate			
(2.00 mm)	<100	mm/min	ISO 3795
(2.00 mm)	<100	mm/min	FMVSS 302
<b>UL Information</b>			
Flammability Classification, (1.5 mm)	HB		IEC 60695-11-10, -20
UL File Number	E86615		