

Technical Data Sheet

Polyman ABS LP 320 EF BLK74010



Acrylonitrile Butadiene Styrene

Product Description

Special grade

Processing Method Injection Molding

Resin ID ABS

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