

POLYMAN® (ABS) K1836

Acrylonitrile Butadiene Styrene

A. Schulman Europe

Message:

Easy flow medium impact ABS grade

General Information			
UL YellowCard	E86615-100725700		
Features	Good Flow		
	Medium Impact Resistance		
Processing Method	Injection Molding		
Part Marking Code (ISO 11469)	>ABS<		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	35.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	42.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	2.2	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	15	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	77.0	°C	ISO 75-2/Af
Vicat Softening Temperature	95.0	°C	ISO 306/B50

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