

Product Description

High Flow, UV Stabilized, ABS

General Considerations

Resin ID (ISO 1043)	· ABS
Additive	· UV stabilized
Processing	· Injection Molding
Color	· Black
Petropol Code	· 100.0224

- The information below is for informational purposes only and should not be adopted as specification limits.

Physical	Value	Unit	Method
Density / Specific Gravity	1,03 to 1,05	g/cm ³	ASTM D 792/A
Melt Flow Rate (220°C/10kg)	7 to 20	g/10min	ASTM D 1238/A
Mold Shrinkage	0,4 to 0,6	%	ASTM D 955
Water Absorption	0,3	%	ASTM D 570

Mechanical	Value	Unit	Method
Tensile Strength	40	MPa	ASTM D 638
Enlogation at Break	25	%	ASTM D 638
Flexural Strength	63	MPa	ASTM D 790
Flexural Modulus	1950	MPa	ASTM D 790
Izod Notched Impact Strength		J/m	ASTM D 256
- 30°C	125		
0°C	210		
23°C	290		

Thermal	Value	Unit	Method
Heat Deflection Temperature		°C	ASTM D 648
1,80 Mpa	92		
Vicat Softening Temperature	102	°C	ASTM D 1525
UV Resistance	5	Years	-

Flammability	Value	Unit	Method
Flammability (3,2mm)	HB	--	UL-94

Process	Value	Unit	Method
Molding Process Temperature	195 to 230	°C	-
Mold Temperature	50 to 70	°C	-
Drying	85 / 3	°C/Hours	-
Back Pressure	< 100	psi	-
Injection Pressure	< 12000	psi	-

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