Optilac RP350

The Materials Group - *Acrylonitrile Butadiene Styrene*

General Information

General		
Material Status	• Commercial: Active	
Availability	• North America	
Features	• General Purpose	
Uses	• Automotive Applications	• General Purpose
Appearance	• Black	
Forms	• Pellets	
Processing Method	• Injection Molding	

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	19	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress	7400	psi	ISO 527-2
Flexural Modulus	374000	psi	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength	6.2	ft·lb/in²	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	181	°F	ISO 75-2/B

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	190 to 200	°F
Drying Time	2.0 to 4.0	hr
Suggested Max Moisture	0.10	%
Processing (Melt) Temp	425 to 525	°F

Injection Notes

Exact processing temp will vary w/ part. Starting mid-lower range is typical. Contact TMG for on-site technical support.

Notes

[1] Typical properties: these are not to be construed as specifications.