

TexRes FG20 ABS

TexCo Resin - Acrylonitrile Butadiene Styrene

General Information

General

Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight
Features	• Good Impact Resistance
Forms	• Pellets

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.17		ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
200°C/5.0 kg	0.80	g/10 min	
230°C/3.8 kg	2.5 to 3.0	g/10 min	
Molding Shrinkage - Flow	3.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	9800	psi	ASTM D638
Flexural Modulus	642000	psi	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	1.2	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
264 psi, Annealed, 0.125 in	215	°F	
Vicat Softening Temperature	236	°F	ASTM D1525
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		Internal Method

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176 to 185	°F
Drying Time	2.0 to 4.0	hr
Suggested Max Moisture	0.10	%
Rear Temperature	374 to 482	°F
Middle Temperature	374 to 482	°F
Front Temperature	374 to 482	°F
Mold Temperature	104 to 176	°F
Injection Rate	Moderate-Fast	

Notes

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